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THE  
AMERICAN CYCLOPÆDIA.

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I N D E X.





A  
GENERAL AND ANALYTICAL  
INDEX  
TO THE  
AMERICAN CYCLOPÆDIA.

BY  
THE REV. T. J. CONANT, D. D.,  
ASSISTED BY HIS DAUGHTER,  
BLANDINA CONANT.

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## TO THE READER.

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THE Index should be first consulted when information is sought on any subject. The inquirer will thus find whether what he seeks is contained in some leading article, or in several scattered through different volumes, or is incidentally given in connection with another subject.

The plan of the Index is as follows :

All names of persons or objects in connection with which any information is given, and would naturally be sought in that connection, are entered alphabetically, the titles of leading articles being distinguished by SMALL CAPITALS, and other entries by *italics*.

Of articles of much length the leading divisions are entered, to facilitate reference.

When there are two or more names, or more than one mode of spelling the name, of the same person or object, each is entered in its alphabetical order.

All pictorial representations of objects described are entered by name in their proper connection, with the abbreviation (ill.) or (view) annexed. They are also entered separately, where this is deemed necessary or convenient for ready reference.

In the references to the Cyclopædia, the first numeral (Roman) refers to the volume, the second and third (Arabic) respectively to the page and column, and the letters, a, b, c, to the first, second, or third part of the column. E. g.: "*Cotton-wood*, tree, XIII. 711, 2 c (ill.)," means that what is said of it may be found, with an illustration, in the 13th volume, page 711, lower third of the 2d column.

The space at or near the meeting of two divisions is denoted by two letters combined (ab, or bc), and a special reference to two or more by the separate letters ; as, "*Myrtus communis* (botany), XII. 112, 1 bc (ill.) ;" "*Sheikh* [shaik], Bedouin chief, II. 450, 2 b, c ;" "*Pomfret*, countess dowager of, contributions to the Arundelian marbles, I. 798, 2 a, b, c."\*

When, in a series of entries from different articles under one title, the number of the volume is omitted, the reference is to the one last given.

\* In the multitude of such references there may be some few errors. The reader will please look for the reference in the other column, or another part of the column, if not found in the one given.

The pronunciation of foreign proper names, and of other words which seem to require it, has been added in brackets by Mr. Francis A. Teall, whose system of notation is subjoined. The work has passed through the press under his supervision ; and to his familiarity with the contents of the Cyclopædia, his ready memory, and excellent judgment, it is greatly indebted for its accuracy and completeness.

The Index has also to some extent been made a supplement to the Cyclopædia by additional information parenthetically inserted. Thus, where a person noticed in it has died since its close, the year of his death is generally noted. Where one has attained to higher office, or met with any great change of fortune, that fact is usually indicated. In many instances persons of some prominence are only incidentally mentioned in the Cyclopædia, in connection with the topics with which their names are associated. Generally, where biographical notices of such persons could be found, the briefest possible statement of the leading facts has been inserted ; often the dates of birth and death alone are given, where nothing more appeared to be essential.

Occasionally a discrepancy will be observed between an entry in the Index and the place referred to in the Cyclopædia. In such case the former is to be understood as a correction. The innumerable causes and sources of error, familiar to all who have had to do with so immense an undertaking as the construction of a cyclopædia, make it impossible that some should not escape detection in its progress. They will generally be found trifling in form, though sometimes large in effect, such as the accidental change of a single letter converting one word into another.

The collating from different articles of passages relating to the same topic has in a few instances prominently disclosed another source of discrepancies which, unexplained, have the appearance of errors resulting from carelessness. In the article on engraving a celebrated German artist is mentioned as Christian Friedrich von Müller, who in the special article upon his father (Johann Gotthard) and himself is called Johann Friedrich Wilhelm. In seeking an explanation of this, it was found that precisely the same difference exists in the corresponding articles of Meyer's *Konversations-Lexikon*, of later date than the Cyclopædia articles ; while in Pierer's *Universal-Lexikon* he is called "Christian (Joh.) Friedrich Wilhelm." Again, in the article on Agra, it is said that the Taj Mahal was built by Shah Jehan as a mausoleum for himself and his wife Noor Mahal ; while in that on India Nourmahal (the same name in another form) appears as the wife of his father Jehanghir. A search showed that the large universal gazetteers, which the writer of the former article naturally followed, contain the statement there given ; but the writer on India followed more accurate historical authorities. In the Index, under *Noor Mahal*, the true version is succinctly given.

## KEY TO PRONUNCIATION.

1.  $\bar{a}$ ,  $\bar{e}$ ,  $\bar{i}$ ,  $\bar{o}$ ,  $\bar{u}$ ,  $\check{a}$ ,  $\check{e}$ ,  $\check{i}$ ,  $\check{o}$ ,  $\check{u}$ —the ordinary English long and short sounds of the vowels, as in *mate*, *mete*, *mite*, *mote*, *mute*, *bat*, *bet*, *bit*, *bot*, *but*. Most of these marks are sparingly used, as in general the position of the vowel sufficiently indicates its proper sound.

2.  $\hat{a}$ —Italian *a*, as in *far*, *father*, but frequently shorter.

3.  $\bar{o}$ —German  $\bar{o}$ , occurring also in Hungarian, Swedish, and Danish ( $\phi$ ). It represents the diphthong *oe*, and its sound has no equivalent in English. It is an intimate blending of the sounds of  $\bar{a}$  in *mate* or  $\check{e}$  in *met* and  $\check{u}$  in *but*. Its long and short sounds may be approximately represented thus, the small letter in each case indicating the subordinate element:  $g^a\check{u}h'-t\check{e}h$ , Goethe;  $t\check{e}p'-lits$ , Töplitz (with which the form Teplitz is interchangeable). The French and Dutch *eu* approaches the sound of  $\bar{o}$ , but is very nearly represented by  $\check{u}$  or  $\check{u}h$ .

4. *oo*—representing the *u* of most other languages, the French *ou*, the Dutch *oe*, and the Portuguese and Swedish *o* final—is most commonly short, as in *book*; but in certain positions, easily determined by the ear, as at the end of an accented syllable, it is long, as in *woo*.

5. *ow*—representing *au* in other languages (except French), *ou* in Dutch, *ao* in Portuguese, and approximately *ao* in Spanish and *aou* in French—is pronounced like *ow* in *cow* and *ou* in *out*.

6.  $\bar{u}$ —German and Hungarian  $\bar{u}$ , French *u*, and Danish and Swedish *y*. These are usually so nearly alike in sound that they are represented by the same character; there is no corresponding sound in English. The German  $\bar{u}$  stands for the diphthong *ue* (formerly *ui*), and its pronunciation is a close union of the sounds of  $\bar{u}$  in *mute* and  $\check{i}$  in *bit* or  $\bar{e}$  in *mete*; thus:  $m\bar{u}l'-ler$ , Müller;  $b\bar{u}l'-lo$ , Bülow. It sometimes runs almost wholly into the second element ( $\check{i}$  or  $\bar{e}$ ). The French *u*, however, invariably approaches the sound indicated in the first example; but it is more simple, and may perhaps be said to consist of the first part of the diphthongal sound of the English  $\bar{u}$ , as in *mute*—that is, with the sound stopped before the full enunciation of the final *oo* element of that letter.

7.  $\hat{a}^{\text{ns}}$ ,  $\check{a}^{\text{ns}}$ ,  $\bar{o}^{\text{ns}}$ ,  $\check{u}^{\text{ns}}$ , &c.—French and Portuguese nasal vowels. The  $^{\text{ns}}$  is small to indicate that it represents no actual sound, but simply the mode of uttering the vowel. This may be illustrated by pronouncing *bang*, *song*, *rung* without touching the soft palate with the upper part of the tongue, thus producing the nasal effect without the distinct sound of *ng*.

8. *ch*—representing the Spanish *ch*, German *tsh*, Hungarian *cs*, the *cz* of some Slavic languages, the Italian *c* before *e* and *i*, &c.—sounds like *ch* in *church*.

9.  $^h$ ,  $^h$ —German guttural *ch*, Spanish *j* and *g* (before *e* or *i*), and (sometimes) *x*, &c. This sound consists in the pronunciation of *h* in the throat (the organs being nearly closed) as a true consonant rather than as a mere breathing. The roughening or rasping effect thereby produced is indicated by the small  $^{\text{c}}$  and  $^{\text{k}}$ , the former after  $\bar{a}$ , *e*, *i*,  $\bar{o}$ ,  $\bar{u}$ , *au*, *eu*, *l*, &c. (where the sound approaches that of *sh*, but must be carefully distinguished from it by keeping the lower part of the tongue depressed), the latter in an initial syllable or after *a*, *o*, *u*, *au*. In German *g* final is also guttural, but in *burg* and some similar terminal syllables it has been deemed preferable to leave it unmarked.

10. *gh*.—The *h* is added to show that the *g* is hard, as in *get*. In certain cases *h* is omitted, but when used in pronunciation *g* is always hard.

11. *ly*, *ny*, *py*, &c.—In these combinations the two letters are to be sounded together in one breath, like *li* in *folio*, *ni* in *union*, &c.

12. *th*—the sharp sound of *th*, as in *thin*, representing the Spanish *c* before *e* or *i*, *z*, &c. (In Spanish America *c* and *z* generally have the sound of sharp *s*.)

13. *th*—the flat sound of *th*, as in *this*, representing the Spanish *d*, &c.

14. *y'*—the liquid element in many French and Hungarian terminal syllables, constituting an indistinct, vanishing sound of *y*, in combination with that of the preceding vowel or consonant.

15. Titles of which the pronunciation is not given are to be pronounced either according

to the marking of a preceding title of the same or similar form, or to the most obvious English analogy.

ACCENTUATION.—Only the primary syllabic accent of words is marked, as, where a secondary accent is required, the ear is nearly always a sufficient guide to its proper position when the former is known. Sometimes the pronunciation of Greek and Latin names and technological terms is indicated by an accent alone. It may be well to remark that in these every vowel or diphthong makes a separate syllable; as *Hylob'ates* (hi-lob'-a-teez). In French words and names no accentuation is indicated, since in that language it is not determinate, but depends upon the exigencies of utterance. Thus a word of several syllables, when making part of a sentence, may, under differing circumstances, have each syllable alternately accentuated, or possibly none of them, each being spoken with equal force, and the whole stress of the sentence placed upon the culminating word. When spoken singly, however, or in connection with another language, some accent is inevitable; and this usually falls upon the last syllable when it ends in a consonantal or a strong vowel sound, and is preceded by syllables ending in similar or weaker sounds. In other cases euphony generally requires that the accent shall be placed at one or two (rarely if ever more) removes from the end. But on whichever syllable it falls, all the others must be distinctly (however rapidly) enunciated, the slurring of unemphatic syllables, common in English and other languages of strong accent, being inadmissible in French.

DIVISION INTO SYLLABLES.—In respelling words for pronunciation, deviations from the rules of division in foreign languages have frequently been rendered necessary by the requirements of English analogy.

# GENERAL INDEX

TO

## THE AMERICAN CYCLOPÆDIA.

### A

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AACHEN [â'-hên]: see AIX-LA-CHAPELLE, I. 223. Aachen-Munich fire insurance company, *ib.*; savings bank, *ib.*

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AALÉN [â'-lén], town, I. 2.

AALI PASHA [â'-le pâ-shâ'], Turkish statesman, I. 2.

AALST [âlst]: see AELST.

AALTEN [âl'-ten], town, I. 2.

AAR, or Aare [âr, â'-rêh], river, I. 2.

AARAU [â'-row], town, I. 2; peace of, *ib.*

AARD-VARK [ard'-vark], animal, I. 3 (ill.).

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Aare: see AAR.

AARGAU [ar'-gow], canton, I. 3.

AARHUUS [or'-hooce], seaport, I. 4.

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Aaron's rod, a plant, XIV. 751, 2 a.

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AB'ANA, river, I. 5; II. 295, 1 a; V. 651, 2 b.

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*Arsendimethyle*, IX. 733, 2 a (KAKODYLE).

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*Arsen'ical iron*, I. 769, 2 c.

*Arsen'ious acid* (white arsenic): see ARSENIO (Index).

ARSINOË [ar-sin'-o-e], name of four celebrated women, I. 770.

ARSINOË, name of two cities in Egypt, I. 771. Ancient monastery near one of them, XI. 728, 2 c. Ancient city of Cyprus, VII. 78, 1 b; of Egypt, VII. 102, 2 b.

*Arsinoë*, daughter of Phegeus, I. 263, 2 b.

*Arsin'oïte nome*, ancient Egypt, VII. 102, 2 b.

*Ars Lulliana*, logical machine, X. 713, 1 bc.

*Ars Magna*, Jerome Cardan's: see ALGEBRA, I. 301, 2 c.

*Ars Magna*, Raymond Lully's: see *Ars Lulliana* (Index).

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ARS-SUR-MOSELLE [ar-sür-mo-zël], town, I. 772.

*Art*, early Christian, XII. 795, 2 bc. Christian, works on: see Bock, Franz.

*Art, works of*, saved from destruction during the first French revolution, X. 341, 2 b (LENOIR, Alexandre).

AR'TA, Turkish town, I. 772. See AMBRACIA.

ARTABA'NUS, assassin of Xerxes, I. 772.

*Artabanus I.*, king of Parthia, XIII. 135, 1 b. A. II., 2 b. A. IV., 136, 2 c.

ARTABA'ZUS, two Persian generals, I. 772.

*Arta'bri*, an ancient people, referred to, VII. 566, 1 ab.

*Arta'ces*, or Artaxias, king of Armenia, I. 723, 2 c.

ARTAX'ATA, ancient city, I. 773.

ARTAXERX'ES, name of three kings of Persia, I. 773. A. Longimanus, 1 b. A. Mnemon, 1 bc. A. Ochus, 2 a.

*Artax'ias*, king of Armenia, I. 723, 2 c; 773, 1 a.

*Artedi* [ar-tä'-de], (Peter, 1705-'35), his classification of fishes, IX. 159, 1 bc.

ARTEMIDO'RUS OF EPHEBUS, geographer, I. 773.

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ARTEMISIA [ar-te-mish'-a], queen of Halicarnassus, I. 773. Wife and successor of Mausolus, 2 b.

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- 2 c. *A. dracunculus*, *ib.*, and XV. 573, 2 a. *A. maritima* (var. *Stechmanniana*), XVI. 730, 2 c (ill.). *A. absinthium*, 731, 1 c (ill.); I. 34, 1 b.
- ARTEMISIUM, I. 774. Naval battle of the Greeks and Persians, 1 a.
- Arte'mius* (Anastasius), emperor, I. 458, 1 c.
- Artemus Ward*, pseudonyme, III. 344, 2 b.
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- Arte'sian boring tools*, I. 778 (ills.); in operation (ill.), 779, 1 a; simplest (ill.), 1 c; tools for extracting obstructions (ill.), 2 a.
- ARTESIAN WELLS, I. 774 (ills.). Origin of the name, 2 ab. First artesian well, X. 470, 2 a. Principle of, I. 775, 1 a; supply from, *ib.*; increase of temperature in, 1 b; hot springs, 1 bc. Well at Grenelle, 2 a; at Passy, 2 b; at Kissingen, 776, 1 a; in the desert of Sahara, *ib.*; at Bourne, Eng., 1 b; in the Continental hotel, Philadelphia, *ib.*; at Point of Rocks, Wyo., 1 bc; in the Llano Estacado, 1 c; in Alabama, 229, 2 b; at St. Louis, 776, 2 a; at Louisville, Ky., 2 b; at Charleston, S. C., *ib.*; at Onarga, Ill., 777, 1 a; Chicago wells, 1 b; in New York city, 1 bc. Methods of boring, 2 a; in China, 2 ab; in the Pennsylvania oil region, 2 bc. Accidents in boring, 779, 1 c. Drill invented by Goulet-Collet, 2 b. Negative wells, 2 c.
- ARTEVELDE, Jacob van [ar'-têh-vel-dêh], Flemish leader, I. 780. Philip van, 1 c.
- Arthral'gia*, lead (lead poisoning), X. 247, 1 c.
- ARTHRITIS, inflammation of the joints, I. 780.
- Arthroco'cus*, in lacteous fermentation, VII. 146, 1 a (ill.).
- ARTHUR, legendary hero, I. 781; X. 138, 1 a.
- Arthur*, duke of Brittany (Prince Arthur), IX. 648, 2 b and c; 649, 1 a and b.
- ARTHUR, Timothy Shay, author, I. 781.
- ARTHUR, William, clergyman and author, I. 781.
- Arthur Dudley*, pseudonyme, III. 480, 2 b.
- Arthur's quoits*: see CROMLECH.
- Arthur's round table*, I. 781, 1 bc; III. 540, 2 a (ill.), (CAERLEON); XVI. 655, 2 c.
- Arthur's Seat*, VI. 405, 1 c (EDINBURGH).
- Artiads* (chemical), II. 89, 1 a; IV. 371, 1 bc; XI. 585, 1 b; XII. 479, 1 b.
- AR'TICHOKE, I. 781. Globe artichoke (ill.), 782. Jerusalem artichoke, 1 bc; tuber (ill.), *ib.* Canada or Virginia potato, 1 c.
- Article, Arabic*, I. 227, 2 a.
- Articles of Smalcald*, X. 728, 2 ab.
- ARTICULA'TA, I. 782; IX. 325, 1 b, 2 a.
- Artic'ulates*, eyes of, VII. 47, 2 ab.
- ARTICULATION (anatomy), I. 783 (ills.).
- Artificial gems*, VII. 664, 2 b; manufactory of, 665, 2 a.
- Artificial horizon*, VIII. 816, 2 c.
- ARTIGAS, José [ar-tê'-gâss], South American general, I. 784.
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- Artillerymen*, patron saint of, II. 297, 2 b.
- Artillery school*, United States, XI. 538, 1 c; XIII. 638, 1 a.
- ARTIODACTYLES [ar-te-o-dak'-tils], (zoölogy), I. 797; XVI. 111, 1 a.
- Artocar'pus Brazilien'sis* (botany), III. 224, 1 c. *A. incisa*, 234, 1 b. *A. integrifolia*, 1 b, 2 c.
- ARTOIS [ar-twâ], province, I. 797. Origin of the name: see ATREBATES. Count of: see CHARLES X. (of France), IV. 288, 1 a.
- ARTOT, Joseph [ar-tô], violinist, I. 798.
- Artoxerxes*: see ARTAXERXES.
- Art unions*, held to be lotteries, X. 648, 2 a.
- Arugan'*, East Indian deity, IX. 508, 1 ab.
- Arukh* [â-rook'] (dictionary), of Nathan ben Jehiel, referred to, IV. 231, 1 c (CHALDEE LANGUAGE).
- A'rum cordifo'lium* (botany), VII. 807, 1 bc. *A. esculentum*, VIII. 526, 2 b. *A. maculatum*, XVI. 422, 2 b.
- Arun'da*: see RONDA.
- AR'UNDEL, Thomas Howard, earl of, I. 798.
- ARUNDELIAN MARBLES: see ARUNDEL, Thomas Howard.
- ARUNDELL, Blanch, English heroine, I. 799.
- Arundel society*, I. 798, 2 c.
- Arundina'ria macrosper'ma* (botany), III. 701, 1 c (ill.); XIII. 48, 1 b.
- Arun'do phragmi'tes* (botany), XIV. 240, 2 b.
- Ar'vad*, ancient city, I. 627, 2 bc.
- Arvic'ola* (zoölogy), XI. 311, 2 c. *Ä. riparia*, *ib.*
- ARWIDSSON, Adolf Ivar [ar'-vids-son], Swedish poet, I. 799.
- Arx*, citadel of Rome, III. 756, 1 a.
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*Aryans in India*, IX. 213, 1 c, ff.

*Aryballos*, Egyptian (ill.), XIII. 779.

*Aryo-Romanic race*, VI. 759, 2 b.

*ARZACHEL*, Abraham [ar-thâ-chail'], Jewish astronomer of Spain, I. 802.

*ARZAMAS'*, or Arsamas, Russian town, I. 802.

*As*, Roman weight and coin, I. 802; XI. 738, 1 a.

*As*, or *Asa*, mythical, I. 802; XII. 120, 1 a.

*A'sa*, king of Judah, I. 802; VIII. 588, 2 a.

*Asabs*, sections of the Koran, X. 45, 1 a.

*ASAFETIDA* [as-a-fet'-e-da], I. 802 (ill.).

*A'sAPH*, a Levite and psalmist, I. 802. "Children of Asaph," 2 b.

*As'aphus cauda'tus* (zoölogy), XV. 868, 2 ab.

*Asa race*, in northern mythology, XII. 120, 1 a.

*Asarad'nus*, in Ptolemy's Canon, VI. 723, 1 c (*ESARHADDON*).

*As'arum* (botany), XV. 130, 2 c. *A. Canadense*, *ib.* (ill., 131).

*ASBEN*, in Africa: see *AIR* (oasis).

*ASBES'TUS*, mineral, I. 802; VIII. 821, 1 b.

*AS'BURY*, Francis, Methodist bishop, I. 803; XI. 454, 2 b, ff.

*Ascalabo'tæ* (zoölogy), VII. 656, 1 a.

*Ascalabotes* (zoölogy), of Aristotle, VII. 656, 1 c.

*As'CALON*, city of Philistia, I. 803.

*ASCARIDES* [as-kär'-e-deez], (entozoa), I. 803; VI. 668, 1 c.

*As'caris lumbricoï'des* (entozoa), I. 804, 1 a; VI. 668, 1 c (ill., 2 b). *A. vermicularis*, I. 804, 1 a; VI. 669, 1 a (ill.).

*ASCEN'SION*, parish of Louisiana, I. 804.

*Ascension, right* (astronomy), how found, XV. 843, 1 a; 845, 1 a.

*ASCENSION DAY*, I. 804.

*ASCENSION ISLAND*, S. Atlantic ocean, I. 804.

*Ascensions*, balloon, for scientific purposes: see *AERONAUTICS*, I. 147, 1 a, and *GAY-LUSSAC*, VII. 653, 1 b.

*Ascensius*, II. 213, 2 a (*BADIUS*).

*Ascet'icism*: see *MONACHISM*. Hindoo, IX. 227, 1 c.

*Ascetics*, XI. 728, 2 ab.

*ASCH* [âsh], town of Bohemia, I. 804.

*ASCHAFFENBURG* [â-shâf'-fen-boorg], city of Bavaria, I. 804.

*ASCHAM*, Roger [as'-kam], scholar, I. 804. Instructor of Elizabeth, afterward queen, in Greek and Latin, VI. 531, 1 b.

*ASCHERSLEBEN* [âsh'-erce-lâ-ben], Prussian town, I. 804.

*Asci* (botany), of fungi, VII. 529, 1 c, and 532, 1 ab; of lichens, X. 409, 1 c.

*Ascid'ia* (botany), X. 267, 1 c; XIII. 547, 1 c.

*ASCIDIANS*: see *MOLLUSCOIDS*, XI. 724, 2 c.

*Ascites* [as-si'-teez], VI. 266, 1 b (*DROPSY*).

*Asclepi'adæ*, or *Asclepiades*, race of, I. 153, 1 a; XI. 346, 1 b; XV. 485, 2 b.

*ASCLEPIADES* [as-klê-pi'-a-deez], Greek physician, I. 805. His treatment of insanity, IX. 297, 1 b.

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*ASCOLI* [âs'-ko-le], city of Italy, I. 805. *Ascoli Piceno* [pe-châ'-no], province, 1 b. *Ascoli di Satriano* [de sâ-trê-â'-no], town, *ib.*

*Ascomyces*, order of fungi, VII. 532, 1 ab.

*AS'COT HEATH*, race course, I. 805. Annual meeting, 1 c.

*Ascotricha* [as-ko-tri'-ka], fungus, XI. 535, 2 a.

*As'cough*: see *ASKEW*.

*As'culum Apu'lum*, ancient town, I. 805, 1 b (*ASCOLI*).

*Asdrubal*: see *HASDRUBAL*.

*ASELLI*, or *Asellio*, Gasparo [â-sel'-le, -le-o], Italian anatomist, I. 805.

*Asfi* [as'-fe]: see *SAFFI*.

*As'gard*, XII. 120, 1 a (*MYTHOLOGY*).

*ASGILL*, John [as'-ghil], English lawyer and writer, I. 805.

*ASH*, forest tree, I. 805. Genera and species of, 1 c, ff. Mountain ash (ill.), 806, 1 c. Oak-leaved mountain ash (ill.), 2 b.

*ASH*, John, English clergyman, I. 807.

*Ash of plants*, constituents of, I. 194, 1 c, 2 a.

*Ashangi* [â-shân'-ghe], lake of Abyssinia, I. 167, 2 b.

*ASHANTEE'*, a savage kingdom of Africa, I. 807.

*Ash beds* (of copper ore), V. 323, 1 c.

*ASH'BURTON*, Alexander Baring, baron, I. 807.

*Ashburton treaty*, 2 c. William Bingham Baring, Lord Ashburton, 808, 1 ab. Francis, *ib.* Alexander Hugh, *ib.*

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ASHE, John, revolutionary officer, I. 808.

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*Ashley, Baron*: see SHAFTESBURY, XIV. 808, 2 b.

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*Ashmogh*, the two-forked, in Persian demonology, V. 793, 2 c.

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*As'par*, Byzantine minister, and Arian leader, X. 349, 2 c; 350, 1 a.

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*Aspasi'aca*, Scythian tribe, IX. 821, 1 b.

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- BERTINI, Henri [bäir-tē-ne], pianist and composer, II. 585.
- BERTRAND, Henri Gratien, count [bäir-trä''], French soldier, II. 586. Alexandre Arthur Henri, 1 c.
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*Berzelius lamp*, II. 589, 1 b.

BERZSENYI, Dániel [bēr'-zhen-ye], Hungarian poet, II. 589.

BESANÇON [büh-zā<sup>ne</sup>-sō<sup>ne</sup>], town of France, II. 590 (ill.).

BESBOROD'KO, Alexander Andreyevitch, prince, Russian statesman, II. 590.

BESCHERELLE, Louis Nicolas, aîné [bā-shrel], French lexicographer and grammarian, II. 590. *Bescherelle jeune*, 2 bc.

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BESSARABA [bes-sā'-ra-ba], family of, II. 590. Rudolph the Black, 2 c. Mirce or Mirxa, *ib.* Michael II., the Brave, *ib.* Matthew Brancovan, 591, 1 a. Constantine II. Brancovan, *ib.*

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BES'SEL, Friedrich Wilhelm, German astronomer, II. 591.

BESSEMER, Henry, English engineer, II. 592. His method of compressing coal dust, VII. 518, 1 ab. His process for the manufacture of steel, XV. 358, 2 c; description of, 359, 1 c, ff. (ills., 359-'61); compared with the Martin process, 363, 1 c.

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BESSIÈRES, Jean Baptiste [bā-se-āir], French soldier, II. 592.

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*Bestusewi tinctura tonica*, inventor of, II. 593, 1 a.

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BESTUZZHEFF-RIUMIN [-rew-min'], Russian family, II. 592. Peter Mikhailovitch, count, 2 b. Mikhail, grand marshal, *ib.* Alexei, count, 2 c.

BETANÇOS, Domingo de [bā-tān'-soce], Spanish missionary, II. 593.

*Betancurt* [bā-tān-koort'], Spanish family, origin of, II. 594, 2 b. Fray Pedro de, founder of the Bethlehemites, 596, 1 ab.

*Be'ta vulga'ris* (botany), II. 471, 1 a (ill.). *B. altissima*, 1 c. *B. cycla*, 2 bc (ill.). *B. maritima*, 472, 1 a.

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*Bête rouge* [bait roozh], parasite, of Martinique, VI. 695, 2 c.

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BETHEL, town of Maine, II. 594.

*Bethel community*, XV. 140, 2 b.

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BETHPHAGE [beth'-fa-ghe], Palestine, II. 596.

*Beth-phake*, II. 596, 2 a (BETHPHAGE).

*Bethroot*, plant, XV. 867, 1 ab.

BETHSAI'DA, Palestine, II. 596 (ill.).

*Beth'san*, village of Palestine, XIV. 726, 2 a.

*Bethshe'an*, village of Palestine, XIV. 726, 2 a.

*Beth'shemesh*, city of Egypt, VIII. 619, 1 c.

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*Bethune*, *David*: see BEATON.

BETHUNE, George Washington, D. D., American clergyman and author, II. 597.

BETLIS [bet-lees'], town of Turkey, II. 597.

*Béton* [Fr. bā-tō<sup>ne</sup>], a kind of concrete, V. 209, 1 a. *Béton aggloméré* [ag-glūh-mā-rā], 1 b. Examples of its use, 2 a, ff.

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*Betsibooka*, river of Madagascar, X. 809, 2 c.

*Betsileos*, tribe of Madagascar, X. 811, 1 a.

*Betsimasakaras*, tribe of Madagascar, X. 811, 1 a.

*BET'TERTON*, Thomas, English actor, II. 598.

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*BETTINEL'LI*, Saverio, Italian author, II. 598.

*BETTY*, William Henry West, English actor, II. 598 (died 1874). Henry, 2 c.

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*BETWAH'*, river of Hindostan, II. 598.

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*BEUKELS*, or Beukelszoon, Willem [büh'-kels, -zone], Dutch fisherman, II. 598.

*Beulah*, county seat, III. 7, 1 b.

*BEULÉ*, Charles Ernest [büh-lá], French archaeologist, II. 599. (Died 1874.)

*BEURNONVILLE*, Pierre de Ruel, marquis de [bühr-nō'-veel], French soldier, II. 599. Étienne Martin, 1 c.

*BEUST*, Friedrich Ferdinand von, count [fōn-boist], German statesman, II. 599. His reconstruction of the Austrian empire, 150, 1 a, ff. His project of a federal constitution for Germany, VII. 756, 2 c.

*BEUTHEN* [boi'-ten], two towns of Prussia, II. 600.

*Beuvron*, marquis de [düh Büh-vrō''], French duellist, III. 161, 2 c.

*BEVELAND*, North and South [bā'-vēh-lānt], islands of Holland, II. 600.

*BEVEREN* [bā'-ver-en], borough of Belgium, II. 600.

*BEV'ERIDGE*, William, English prelate, II. 600. On Isidore Mercator's collection of canons, III. 718, 2 c.

*BEV'ERLEY*, borough of England, II. 600.

*BEVERLEY*, John of, prelate, II. 600.

*BEVERLY*, town of Massachusetts, II. 600.

*Beverly*, county seat, XIV. 199, 1 a.

*BEV'ICK*, Thomas, English wood engraver and author, II. 601. John, 1 b (*bis*).

*BEXAR* [bā-ar'; Sp. bā-'har'], county, II. 601.

*BEXAR DISTRICT*, Texas, II. 601.

*BEXLEY*, Lord: see VANSITTART, Nicholas.

*Bey* [bā], title: see BEG; TRIPOLI, XV. 872, 2 ab; TUNIS, XVI. 31, 1 b.

*Beykaneer* [bā-ka-neer']: see BICKANEER.

*BEYLE*, Marie Henri [bail], French author, II. 601; IV. 17, 2 a.

*Beylol Lodi*, Afghan military chief, IX. 208, 1 bc.

*Beypasha* [bā'-pa-shā]: see BEAS.

*Beyra*: see BEIRA.

*BEYROUT* [bā-root'], town of Syria, II. 601; view, 602.

*Beysheher*: see BEGSHEHER.

*BE'ZA*, Théodore de, French reformer, II. 603.

*Bezanzano*, the, class of Madagascans, X. 811, 2 ab.

*Bezant'*, in heraldry, VIII. 672, 2 c.

*Bezant'lers* (of the deer), V. 756, 2 b.

*BEZA'S CODEX*, II. 603; XI. 133, 1 c.

*Bèze*, Théodore de [düh baiz]: see BEZA.

*BÉZIERS* [bā-ze-ā], town of France, II. 603. Cathedral of St. Nazaire, 2 c (ill., 604). Slaughter of Albigenes at, 604, 1 b, and I. 253, 1 b.

*Bez'il* (of the diamond), VI. 75, 1 b.

*BE'ZOAR*, calculus used as a charm, II. 604.

*BHADRINATH* [bā-dre-nāt'], town of British India, II. 604.

*Bhagerut Row Sindia*, sovereign of Gwalior, VIII. 349, 1 a.

*Bhagirathi* [bā-ghe-rā'-te], source of the Ganges, VII. 609, 1 c.

*Bhainsa* [bine'-sa], tame buffalo, III. 410, 2 a.

*Bhalbuns*, bastard Brahmans, IX. 213, 2 c.

*BHAMO* [bā-mo'], town of Burmah, II. 604.

*Bhanmo*: see BHAMO.

*BHARTRIHARI* [bar-trē-hā'-re; Hind. b'hur-tre-hūr'-e], Hindoo poet, II. 604.

*Bhāshyas*, commentaries on the Vedas, IX. 229, 1 ab.

*BHATGAN* [bāt-gān'], town of Hindostan, II. 605.

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*BHAWALPOOR* [baw-al-poor'], state of Hindostan, II. 605. Town, 1 c.

*BHEELS*, tribe of India, II. 605; V. 197, 2 c; IX. 215, 1 a.

*Bhomiya* [bo-mē'-yā], title, II. 605, 2 ab.

*BHOOR*, city of Hindostan, II. 605.

*BHOPAUL'*, state of Hindostan, II. 605. Town, 2 c.

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*Bhotanta language*, XV. 705, 1 b.

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*Bhurtpore*: see BHURTPOR.

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BIBER, George Everard [bé'-ber], English clergyman and author, II. 608.

BIBERACH [bé'-ber-â'h], town of Württemberg, II. 608.

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*Billon* [bil'-lone; Fr. bē-yō<sup>ne</sup>], debased silver, XII. 535, 2 b.  
*Billroth* [bil'-rote], (Theodor, born 1829), his theory of inflammation, IX. 276, 2 c. On bacteria, XV. 285, 1 ab.  
*Bills receivable*, in bookkeeping, III. 80, 2 a. Bills payable, *ib.*  
*Billy-biter*, bird, XV. 775, 1 c.  
*Bilon*, kind of madder, X. 816, 1 c.  
 BILSON, Thomas, English divine and author, II. 643.  
*Bilsted*, tree, X. 518, 2 a.  
 BILSTON, town of England, II. 643.  
 BIMA [bē'-ma], state of Sumbawa, II. 644.  
*Bim bashi*, Turkish military rank, XI. 361, 1 b.  
 BIMINI [be-mē'-ne], imaginary island, II. 644.  
 BI'NARY ARITHMETIC: see ARITHMETIC, I. 708, 1 c. Binary scale of numbers, *ib.*  
*Binary compounds*, in chemistry, XII. 474, 2 c; XIV. 582, 2 b.  
*Binary system of chemistry*, II. 87, 2 a. Binary theory, XIV. 582, 2 bc.  
*Binary system in zoölogy*, VII. 267, 2 a.  
*Binding of books*: see BOOKBINDING.  
 BINDRABUND', town of Hindostan, II. 644.  
*Bindweed* (convolvulus), V. 293, 1 a; black, XIII. 689, 1 a.  
*Bing*, in preparing cotton for manufacture, V. 413, 1 c.  
 BING'EN, town of Hesse-Darmstadt, II. 644 (ill.).  
*Bingerloch*, or Bingen hole, II. 644, 1 c.

BINGHAM, Joseph [bing'-um], English scholar, II. 645.

BINGHAMTON [bing'-um-tun], city of New York, II. 645.

*Bin'gium*, ancient town: see BINGEN.

BINGTANG', East Indian island, II. 645.

BIN'NACLE, II. 645; V. 187, 1 b.

BINNEY, Amos, American savant, II. 645.

BINNEY, Horace, lawyer, II. 645. (Died 1875.)

BINNEY, Thomas, English clergyman, II. 646.

*Binondo* [be-nōne'-tho], suburb of Manila, XI. 109, 1 c, 2 a.

*Binoxalate of potash*, XII. 757, 2 b; 758, 1 a.

*Bintang*: see BINGTANG.

*Binue* [be-noo'-ā]: see BENOOWE.

BIOBIO [be-o-bē'-o], river of Chili, II. 646.

BIOL'OGY, science of life, II. 646; I. 527, 1 b.

BI'ON, Greek poet, II. 646.

*Bi'oplasm*, referred to, VII. 146, 1 a and b.

Bior, Jean Baptiste [byo], French savant, II. 646.

*Biotite*, species of mica, XI. 491, 1 a.

*Bipennis*, kind of battle axe, II. 393, 2 b.

*Biphosphate of lime*, X. 479, 1 b.

BIPONT EDITIONS (of the classics), II. 647.

*Bipontium*: see ZWEIBRÜCKEN.

*Bipotassic sulphate*, XIII. 761, 1 c.

*Biquadratic equation*, first solved, XI. 276, 1 c.

*Biran, Maine de*: see MAINE DE BIRAN.

BIRCH [burch], tree, II. 647. White birch, 1 c (ills.). Weeping birch, 2 b (ill.). Black, paper, red, and dwarf birch, 648, 1 a, b.

BIRCH, Samuel, English Egyptologist, II. 648.

BIRCH, Thomas, D. D., English historian and biographer, II. 648.

*Birch agaric*, used for sharpening instruments, I. 173, 1 c.

*Birch bark*, uses of, II. 647, 2 a; 648, 1 a.

*Birch-bark tar*, X. 277, 1 ab.

BIRCH-PFEIFFER, Charlotte [beer'h'-pfi-fer], German actress and dramatist, II. 648.

BIRD, Edward, English painter, II. 648.

BIRD, Golding, English physician and author, II. 648.

BIRD, Robert Montgomery, American physician and author, II. 648.

BIRDE, William, English composer, II. 649.

BIRD ISLANDS, West Indies, II. 649.

BIRD LIME, II. 649.

*Bird mite*, VI. 695, 2 ab (ill.).

BIRD OF PARADISE, II. 649. Greater paradise bird, 2 c (ill.); red, 650, 2 c (ill.); king, 651, 1 b (ill., 650); superb, *ib.* (ill., 650); gold-

breasted, 1 a (ill.); twelve-wired, 2 c (ill.); long-tailed, *ib.* (ill.).

*Bird of Velez*, V. 86, 2 c.

*Bird pepper*, III. 761, 2 a.

BIRDS, II. 652. Their anatomy, 1 b; parts (ill.), 2 a; digestive apparatus (ill.), 653, 1 b; wing bones (ill.), *ib.*; voice, 2 b; brain, 654, 1 b; organs of sense, 1 c; propagation, 2 b. Mining birds, 655, 1 c. Ground builders, 2 a. Mound builders, 2 b. Masons, 2 c. Baker bird, *ib.* Carpenters, 656, 1 a. Platform builders, 1 ab. Basket makers, 1 b. Weavers, 1 c. Tailors, 2 a. Cementers, 2 b. Dome builders, 2 bc. Parasites, 2 c. Skeleton of birds, V. 174, 2 c; partial anatomy of, II. 687, 1 c.

*Birds*, in heraldry, VII. 673, 1 bc. See plate (after p. 670), on the right.

*Bird's-foot trefoil*, X. 648, 2 bc.

*Bird's head process*, organ of polyzoa, XIII. 691, 1 b.

BIRD'S NEST, Edible, II. 657; I. 299, 2 c.

*Bird's nest fern*, VII. 151, 2 c (ill.).

*Bird's nest fungus*, VII. 583, 2 ab.

*Bi'reme*, galley, VII. 575, 2 ab.

*Biren* [bē'-ren]: see BIRON, Ernest John.

*Birgus*, robber crab, V. 451, 1 b.

BIRKENFELD [beer'-ken-felt], German principality, II. 657.

*Birkenfeld line*, of Zweibrücken, XVI. 840, 1 a.

BIR'KENHEAD, town of England, II. 657. Park of, XIII. 103, 2 a (map).

BIRKENHEAD, Sir John, English writer, II. 658.

BIRKET-EL-KEROON' [beer'-ket], lake, II. 658.

*Birkett's circus*, New York, alluded to, II. 575, 1 c.

BIRMINGHAM [bur'-ming-um], town of England, II. 658; view, 659.

BIRMINGHAM, village of Connecticut, II. 660.

BIRMINGHAM, borough of Pennsylvania, II. 660.

BIERNAM, hill, Scotland, II. 660. Birnam wood, 2 ab.

BIRNEE, Old, town of Africa, II. 660.

BIRNEY, James G. [bur'-ne], American philanthropist and politician, II. 660. Defended by S. P. Chase in a prosecution for harboring a fugitive slave, IV. 327, 1 ab. David B., general, II. 660, 2 b. William, general, 661, 1 a. Fitz Hugh, colonel, *ib.*

*Birom's anemometer*, I. 490, 1 b.

BIRON, Armand de Gontaut, duke de [bē-rō\*], French general, II. 661. Charles de Gontaut, duke de, general, 1 b. Armand Louis de Gontaut (duke de Lauzun), duke de, 1 c.

BIRON, Ernest John, duke of Courland and regent of Russia, II. 661. Peter, 662, 1 a.  
 BIRR [bur]: see PARSONSTOWN.  
 BIRS NIMRUD [beerss nim-rood']: see BABEL, II. 180, 2 a, b, 181, 1 bc; BABYLON, 187, 2 a (ill.).  
 BIRSTALL [bur'-stul], parish of England, II. 662.  
 BIRTH: see OBSTETRICS; also ABORTION, and MEDICAL JURISPRUDENCE.  
 Birthroot, plant, XV. 867, 1 ab.  
 Birzha [beer'-zha], Russian exchange, VII. 21, 1 a.  
 BISACCIA [be-zât'-cha], town of Italy, II. 662.  
 BISACQUINO [be-zâk-kwē'-no], town of Italy, II. 662.  
 Bisayas [be-sâ'-yas], Malayo-Polynesian race, XI. 56, 1 a; XIII. 418, 1 b (Bisayans).  
 BISCAY, province of Spain, II. 662.  
 BISCAY, Bay of, II. 662.  
 BISCAY, New: see DURANGO.  
 BISCAGLIE [be-shâ'-lyâ], seaport of Italy, II. 662.  
 BISCHOF, Karl Gustav [bish'-ofe], German chemist and geologist, II. 662. On the genesis of minerals, XI. 590, 2 b.  
 BISCHOFF, Christoph Heinrich Ernst [bish'-uf], German physician, II. 662. Theodor Ludwig Wilhelm, anatomist and physiologist, 2 c. On the spontaneous ripening and discharge of ova, VI. 561, 1 c.  
 BISCHOFSWERDA [bish'-ofes-vâir-da], city of Saxony, II. 663.  
 Bishop, Simon [bis'-kop]: see EPISCOPIUS.  
 BISCHWEILER [bish'-vî-ler], town of Alsace, II. 663.  
 Bischwiller [bish'-vil-ler]: see BISCHWEILER.  
 Biscuit [bis'-kit], for earthenware, XIII. 790, 2 a; for porcelain, 791, 2 a.  
 Bi'set, wild rock pigeon, XIII. 504, 1 c.  
 Bisexual animals, I. 533, 2 b; VI. 370, 2 c; VIII. 683, 2 c; X. 310, 1 c.  
 Bishroot, I. 68, 1 b (ACONITE).  
 BISHOP, II. 663. In the Roman Catholic church, 2 a; Anglican, 664, 1 b; Protestant Episcopal, 1 c; Lutheran and Evangelical, 2 a; Greek, *ib.*; Methodist Episcopal, XI. 456, 2 a. Number of bishops in the world, II. 664, 2 a.  
 BISHOP, Sir Henry Rowley, English composer, II. 664. Anna Riviere, vocalist, 665, 1 a.  
 Bishopric, II. 664, 2 a.  
 Bishops, city of, XII. 748, 1 c.  
 BISHOP STORTFORD, town of England, II. 665.  
 BISMARCK-SCHÖNHAUSEN, Otto Eduard Leopold, prince [biss'-mark-shôn'-how-zen], German statesman, II. 665. His entrance into

the ministry, VII. 757, 1 b. His willingness to cede German territory to France asserted by Lamarmora, X. 118, 2 c. Attempted assassination of him, X. 19, 1 c. Interview with Favre to agree on conditions of peace between Germany and France, VII. 99, 1 ab; treaty signed, 1 c.  
 Bism-Allah, or Bism-Allah, Mohammedan grace before meat, I. 323, 1 bc (ALLAH).  
 BISMUTH [biz'-muth], metal, II. 666. Its use in thermometry, 2 b; in alloys, 667, 1 a; in thermo-electricity, 1 bc. Compounds and their uses, 1 b; in medicine, 1 c. Nitrate of, XII. 463, 2 bc. Magistery of, *ib.*  
 Bismagur': see BIANAGUR.  
 BISON, II. 667. B. Americanus, 2 b (ill.).  
 BISSAGOS [bis-sâ'-goos], islands of Africa, II. 668.  
 BISSELL, William H., governor of Illinois, II. 668.  
 Bissermians, Finnish tribe, VII. 206, 2 c.  
 BISSET, Robert, English writer, II. 668.  
 Bistort, plant, XIII. 689, 1 a; ill., 688.  
 BISTRE [bis'-ter], a water color, II. 668.  
 BIS'TRITZ, town of Transylvania, II. 668.  
 Bisulphide of calcium, X. 478, 2 a; of carbon, III. 772, 2 b, and XV. 454, 2 c.  
 Bisutun [be-soo-toon']: see BEHISTUN.  
 Bit, for boring wood, varieties of, III. 98, 2 c -99, 1 a (ills.); of a drill, II. 697, 1 c.  
 Bitche [beech], town: see BITSCH.  
 BITHOOR', town of Hindostan, II. 669. Ghauts on the Ganges, 1 a (ill.).  
 BITHYN'IA, ancient country of Asia, II. 669.  
 Bitolia, town: see MONASTIR.  
 B'TON AND CLE'OBIS, in Greek legend, II. 669.  
 BITON'TO, town of Italy, II. 669.  
 BITSCH, town of Alsace-Lorraine, II. 669; view, 670.  
 Bittacle: see BINNACLE.  
 Bitter ash, tree, XIV. 132, 1 b.  
 Bitter cups, goblets of bitterwood, XIV. 132, 2 a.  
 BITTERFELD [bit'-ter-felt], town of Prussia, II. 670.  
 BIT'TERN, bird, II. 670. English bittern, 1 c (ill.); green, 2 a (ill.); least, 2 b (ill., 671).  
 Bittern, exhausted salt brine, bromine from, III. 307, 2 c, 308, 1 b; XIII. 693, 1 bc.  
 BITTER PRINCIPLES, II. 671.  
 Bitter-root, plant, IX. 244, 1 b.  
 Bitter Root range, Rocky mountains, XI. 771, 2 c.  
 Bitter Root river, Montana, XI. 772, 1 b, bc.  
 Bittersweet, plant, VI. 304, 2 b; XV. 155, 1 b (ill.). Climbing or shrubby, XVI. 517, 2 c.

*Bitter-sweet* (wild orange), XII. 664, 1 c.

*Bitterwood*, tree, XIV. 132, 1 b (ill.).

*Bitlis*: see BETLIS.

BITTOOR: see BITHOOR.

*Bitu* [be-too'], kind of bamboo, VII. 110, 2 a.

BITU'MEN, II. 671. Varieties, 2 c. Of Hit on the Euphrates, 672, 1 c; of the Dead sea, 2 a; of Trinidad, *ib.* Preparation, 2 bc. Analysis, 2 c. Uses of the natural bitumens, 673, 1 ab. Origin of, 2 ab. Among the Greeks and Romans, XIII. 366, 2 b.

*Bituminous limestone*, II. 673, 1 bc. Bituminous mastic, 1 b.

BITUMINOUS SHALE, II. 673.

*Bituriges* [be-tu'-re-jeez], ancient people of Celtic Gaul, II. 581, 1 c; VII. 648, 2 a. Bituriges Cubi, in central Gaul, III. 157, 2 b; 159, 2 a. Bituriges Vivisci, of southern Gaul, III. 90, 2 ab.

*Bituvatu* [be-too-va-too'], kind of bamboo, VII. 110, 2 a.

BITZIUS, Albert [bit'-se-oos], Swiss author, II. 673.

*Biu-biu*, river, II. 646, 2 a (Biobio).

*Bivalve shells*, V. 198, 2 a, ff. (ills.); 201, 2 a (ill.).

*Bivar*, *Rodrigo Diaz de* [be-var'], the Cid, I. 295, 2 c.

*Bwa* [be'-wa], Japanese stringed instrument, IX. 537, 1 c.

BIZERTA [be-zér'-ta], seaport of Tunis, II. 673.

BJÖRLING, Carl Olaf [byör'-ling], Swedish prelate and author, II. 673.

BJÖRNEBORG [byör'-nëh-borg], seaport of Finland, II. 674.

BJÖRNSON, Björnstjerne [byörn'-son], Norwegian author, II. 674.

BJÖRNSTJERNA, Magnus Fredrik Ferdinand [byörn-shäir'-na], Swedish statesman and author, II. 674.

BLACAS, Pierre Louis Jean Casimir, duke de [blä-kä], French statesman, II. 674.

BLACK, Adam, Scottish publisher, II. 674.

BLACK, Jeremiah S., American lawyer, II. 674.

BLACK, Joseph, Scottish chemist, II. 674. Discoverer of carbonic acid gas, III. 773, 2 ab. His investigation of the alkalies, IV. 361, 1 c. His theory of caloric, VIII. 567, 2 bc; of latent heat, 576, 2 bc; experiments on specific heat, 573, 1 c, 2 bc.

*Black alder*, shrub, XVI. 673, 2 c.

BLACK'ALL, Offspring, English prelate, II. 675.

*Blackband ores* (iron), IX. 409, 1 ab, 2 a.

*Black Barthel* [bar'-tel]: see SCHWARTZ, Berthold, XIV. 689, 1 c.

*Black basalt ware*, referred to, XIII. 783, 1 ab.

BLACKBERRY: see BRAMBLE. Common blackberry, III. 207, 1 c. High blackberry, 2 bc (ill., 208). Low bush blackberry, *ib.* See RASPBERRY, XIV. 209, 2 a.

BLACKBIRD, county, II. 675.

BLACKBIRD, European, II. 675 (ill.). Red-winged, of New England, 2 b (ill.). In the northwestern states and Canada, 676, 1 b.

*Black book of the admiralty*, I. 124, 2 c.

*Black boy*, tree of Australia, II. 131, 1 a; VIII. 171, 2 ab.

*Black buffalo*, fish, XV. 437, 1 a.

BLACKBURN, town of England, II. 676.

*Black Calmucks*, XI. 747, 1 b.

BLACK'CAP, bird, II. 676. European, 1 c (ill.). American, 2 b.

*Blackcap*, raspberry, XIV. 210, 1 b.

*Black-capped titmouse*, XV. 775, 1 a.

*Black cardinals*, II. 577, 1 c. Banished by Napoleon, III. 47, 2 b.

*Black Castle of Opium*: see AFIUM KARA-HIS-SAR.

*Black cat* (fisher), VII. 223, 1 b.

*Black chalk*, IV. 232, 1 c.

BLACKCOCK, game bird, II. 676; ill., 677.

*Black cohort*, in the peasants' war, XIII. 216, 2 a.

BLACK DEATH: see PLAGUE, XIII. 567, 1 c. In Basel, II. 358, 1 b. In Norway, XII. 511, 1 a. Horrible persecution of the Jews occasioned by it, VIII. 597, 1 a.

*Black drink*, XVI. 773, 2 a (YAUPON).

*Black drop* (vinegar of opium), XII. 648, 2 ab.

"*Black drop*," in a transit of mercury, XI. 405, 1 c.

*Black eagle*, Prussian order of the, founded, VII. 454, 2 a.

BLACKFEET, Indian tribe, II. 677; XII. 503, 2 a. Blackfeet confederacy, allusion to, I. 633, 1 a.

BLACKFISH (tautog), II. 677 (ill., 678).

*Blackfish* (dolphin), VI. 193, 1 a.

*Black-fish whale* (grampus), VIII. 147, 1 b.

BLACK FLUX, II. 678; V. 469, 1 c.

BLACK FLY, II. 678; VI. 129, 1 c.

BLACKFORD, county, II. 678.

BLACK FOREST, II. 678; 209, 2 a, c.

*Black friars*, II. 113, 2 b.

*Blackfriars bridge*, London, X. 592, 1 b.

*Black grass*, XIV. 471, 2 a.

*Black grotto*, near Adelsberg, I. 114, 1 c.

*Black grouse*: see BLACKCOCK.

BLACK GUM, tree, II. 679 (ills.).

*Black hawk*, bird, III. 507, 1 a (ill., 506).  
**BLACK HAWK**, Indian chief, II. 679.  
**BLACK HAWK**, county, II. 680.  
*Black-head*, duck, III. 733, 2 ab; 734, 1 a.  
*Black-headed saki*, monkey, XI. 751, 2 c.  
*Black helmet*, cameo shell, III. 652, 2 a.  
**BLACK HILLS**, II. 680; XIV. 375, 2 c; XVI. 749, 2 c.  
**BLACK HOLE**, Calcutta, II. 680. Monument (ill.), *ib*.  
*Black horse*, fish, XV. 437, 1 a.  
**BLACKIE**, John Stuart, Scottish author, II. 680.  
**BLACKING**, for leather and iron, II. 681.  
**BLACK JACK**, ore: see **BLLENDE**, II. 708, 2 c.  
*Black-jack*, tree, XII. 555, 2 a.  
**BLACK LEAD**: see **GRAPHITE**.  
**BLACKLOCK**, Thomas, D. D., blind Scottish clergyman, II. 681.  
*Black magic*, V. 795, 1 c.  
**BLACK MAIL**, II. 681.  
**BLACKMAN**, George Curtis, American surgeon, II. 681.  
*Black martin*, bird, XV. 520, 1 a.  
*Black medick*, plant, X. 703, 2 a.  
**BLACKMORE**, Sir Richard, English physician and writer, II. 681.  
*Black mountain*, on the shore of Lake George, VII. 712, 2 c. Rogers's leap, *ib*.  
**BLACK MOUNTAINS**, of the Appalachian system, II. 682.  
*Black mountains*, of Africa, II. 798, 1 ab; of Circassia, IV. 603, 1 c.  
*Black Pawnees*: see **RICKAREES**.  
*Black pilot* (rudder fish), XIV. 462, 2 bc.  
*Black Prince*: see **EDWARD**, prince of Wales.  
*"Black obelisk king,"* II. 34, 1 c.  
*Black quarter*, murrain, XII. 61, 1 b.  
**BLACK RIVER**, of New York, II. 682. See **BIG BLACK RIVER**.  
*Blacks*, a Guelphic faction at Florence, VIII. 297, 1 b.  
*Black saki*, monkey, XI. 751, 2 c.  
**BLACK SEA**, II. 682. Its opening from the Bosphorus (ill.), 683. Made free to the commerce of all nations by the treaty of Paris, X. 224, 2 a. Deneutralization of it, I. 285, 1 a: see XIV. 493, 2 a, and XVI. 62, 1 c.  
*Black'shear*, county seat, XIII. 501, 2 ab.  
**BLACK SILVER**, II. 683.  
**BLACK SNAKE**, II. 684 (ill.).  
*Black snakeroot*, IV. 583, 1 bc; V. 22, 2 bc.  
**BLACKSTONE**, town of Massachusetts, II. 684.  
**BLACKSTONE**, William, first white inhabitant of Boston, II. 684.

**BLACKSTONE**, Sir William, English lawyer, II. 684.  
*"Black stone,"* the, in the Caaba, XI. 314, 2 c.  
**BLACKSTONE RIVER**, II. 685. Blackstone canal, 1 b.  
*Black stream* (Japan current), XII. 781, 2 ab.  
*Black and tan* (terrier), XV. 662, 2 c.  
*Blackthorn*, tree, XIII. 620, 2 ab; XV. 106, 2 c (ill., 107).  
*Black tongue*, fever, VII. 169, 2 bc; murrain, XII. 61, 1 b.  
**BLACK VOMIT**, II. 685; VII. 166, 2 a.  
**BLACKWALL**, suburb of London, II. 685.  
**BLACK WALNUT**: see **WALNUT**.  
**BLACK WARRIOR**, river of Alabama, II. 685.  
*Black wart*, disease in the plum tree, XIII. 621, 1 a.  
**BLACK'WATER**, river of Ireland, II. 685.  
*Black-water streams*, of Brazil, III. 220, 1 c.  
**BLACKWELL**, Alexander, Scottish physician, II. 685.  
**BLACKWELL**, Elizabeth, American physician, II. 685. Emily, 2 c. See XVI. 701, 2 ab.  
**BLACKWELL'S ISLAND**, New York, II. 686.  
**BLACKWOOD**, William, Scottish publisher, II. 686.  
*Blackwood's Edinburgh Magazine*, II. 686, 1 a; X. 568, 2 b; XIII. 296, 1 b; XVI. 652, 2 c.  
**BLADDER**, II. 686.  
*Bladder-ketmia*, plant, VIII. 713, 2 c.  
*Bladder-weed*, species of algae, I. 299, 2 a; VII. 515, 1 a. Charcoal of, as a medicine, 2 b.  
*Bladdervoort*, marsh plant, XVI. 237, 2 c (ill., 238).  
*Blade of an anchor*, I. 465, 1 a.  
*Blade of a leaf*, X. 264, 1 c; 266, 1 a, bc.  
**BLA'DEN**, county, II. 687.  
**BLADENSBURG**, town of Maryland, II. 687.  
**BLAGOVIESHTCHENSK** [blá-go-vyesh-chensk'], a town of Asiatic Russia, II. 687.  
**BLAINE**, Ephraim, American soldier, II. 687. James Gillespie, statesman, 2 bc.  
**BLAINVILLE**, Henri Marie Ducrotay de [düh blä"-veel], French naturalist, II. 687. His classification of birds, XII. 706, 1 a; of fishes, IX. 160, 1 bc; of mammals, XI. 80, 1 c, 81, 2 b; of reptiles, VIII. 693, 1 bc. His theory of the anatomy of the head, XIII. 423, 1 c.  
**BLAIR**, county, II. 688.  
**BLAIR**, Francis Preston, American journalist, II. 688 (died 1876). Montgomery, lawyer and politician, 2 b. Francis Preston, jr., lawyer and soldier, 2 c (died 1875).

- BLAIR, Hugh, Scottish divine and author, II. 689.
- BLAIR, James, American clergyman and teacher, II. 689.
- BLAIR, John, Scottish chronologist and geographer, II. 689.
- BLAIR, Robert, Scottish poet, II. 689.
- Blair's process of making steel*, IX. 403, 2 a.
- BLAIRSVILLE, borough of Pennsylvania, II. 689.
- Blairsville*, county seat, XVI. 111, 2 c.
- Blaisot* [blā-zō], librarian to Louis XVI., imprisonment in the Bastille, II. 376, 1 c.
- BLAKE, George Smith, American naval officer, II. 689.
- BLAKE, John Lauris, American author and clergyman, II. 689.
- BLAKE, Robert, English admiral, II. 690.
- BLAKE, William, English artist and poet, II. 690. His process of etching upon copper, 691, 1 a; X. 526, 1 b.
- Blakely*, county seats, II. 238, 1 a; VI. 354, 1 c.
- BLAKELY, Johnston, American naval officer, II. 691.
- Blakely gun*, I. 793, 2 c; III. 712, 2 a (ill.).
- Blake's safety explosive*, VII. 30, 1 c.
- BLAKEY, Robert, English metaphysician and author, II. 692.
- BLANC, Jean Joseph Louis [blā<sup>ns</sup>], French political and historical writer, II. 692. Auguste Alexandre Charles, engineer and art critic, 2 c; duel with Lacombe, X. 83, 1 c.
- BLANC, Le [lüh blā<sup>ns</sup>], town of France, II. 693.
- BLANC, Mont: see MONT BLANC.
- Blanc fixe* [blā<sup>ns</sup> feex], white pigment, II. 313, 1 c.
- BLANCHARD, Émile [blā<sup>ns</sup>-shar], French naturalist, II. 693.
- BLANCHARD, François, French aeronaut, II. 693; I. 146, 1 c. Marie Madeleine Armant, aeronaut, II. 693, 1 c; I. 146, 2 b. Her tragic fate, *ib.*
- BLANCHARD, Henri Pierre Léon Pharamond, French painter, II. 693.
- BLANCHARD, Laman, English writer, II. 693.
- BLANCHARD, Thomas, American mechanic and inventor, II. 693. His turning machine, XVI. 74, 2 b.
- BLANCHE, August [blā<sup>ns</sup>-sh], Swedish poet, II. 693.
- BLANCHE OF BOURBON, queen of Castile, II. 693.
- BLANCHE OF CASTILE, queen of France, II. 694; X. 652, 1 ab.
- Blanche of France*, daughter of St. Louis, X. 81, 1 ab and b.
- BLANCO, county, II. 694.
- BLAND, county, II. 694.
- BLAND, Theodorice, American patriot and soldier, II. 694.
- BLANDRATA, Giorgio [blān-drā'-ta], Italian Unitarian, II. 695; I. 262, 1 a.
- BLANGINI, Giuseppe Marco Maria Felice [blān-jē'-ne], Italian composer, II. 695.
- Blank* (card), in faro, VII. 89, 1 b.
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- Car, railroad*, XIV. 181, 1 bc. First passenger car (ill.), 171, 2 a. Double bogie, 172, 1 c. Compromise cars, 173, 2 c. Pullman parlor car, 181, 2 bc (ill.). Freight cars, 182, 1 b.
- Carabine à tige* [kâ-râ-been ä teezh], XIV. 329, 2 c (ill., 330).
- CARABO'BO**, state of Venezuela, III. 764. Town, 1 c.
- Car'acal*, animal (lynx), X. 754, 2 c.
- CARACAL'IA**, Marcus Aurelius Antoninus, Ro-

man emperor, III. 764; I. 271, 1 c. Baths of Caracalla, II. 383, 2 b (plan).  
*Caracara*, Brazilian eagle, VI. 350, 2 a (ill.).  
 CARÁOAS [ká-rá'-káss], state of Venezuela, III. 764. City and capital, 765, 1 a.  
 CARACCIOLI, Domenico, marquis [ká-rát'-cho-le], Neapolitan statesman, III. 765. Francesco, prince, admiral, 2 ab; arrested and executed, 2 b; XII. 221, 1 ab.  
 CARAC'TACUS, king of the Silures, III. 765.  
*Caradoc*, Col., Lord Howden, II. 217, 2 b.  
 CARAFA DE COLOBRANO, Michele [ká-rá'-fa dá ko-lo-brá'-no], Italian composer, III. 765.  
*Caraffa*, Giovanni Pietro (Pope Paul IV.), XIII. 171, 1 c.  
 CAR'AITES: see KARAITES. Referred to, XIV. 514, 2 a.  
*Car'alis*, ancient town: see CAGLIARI, III. 548, 1 a.  
*Carali'tis*, II. 479, 1 ab (BEGSHEHER).  
*Caral'lis*, lake, II. 479, 1 ab (BEGSHEHER).  
 CARAMAN', town of Asia Minor, III. 766.  
*Caraman*, Count [ká-rá-má'"], prince of Chi-may, IV. 436, 1 c.  
 CARAMA'NIA, former province of Asia Minor, III. 766.  
*Car'amel*, burnt sugar, XV. 441, 2 a.  
 CARAT [kár'-at], imaginary weight, III. 766.  
 CARAVAGGIO [ká-ra-vád'-jo], town of Italy, III. 766.  
 CARAVAGGIO, Michel Angelo Amerighi da, Italian painter, III. 766. Polidoro Caldara da, painter, 767, 1 a.  
 CARAVAN' AND CARAVANSARY, III. 767. Caravan-bashi, 1 c.  
 CARAVEL'LAS, seaport of Brazil, III. 767.  
 CAR'AWAY, fruit or seeds of carum carui, III. 767 (ill., 768).  
 CARBAZOTIC ACID: see PICRIC ACID.  
*Carbides* [kar'-bids]: see CARBURETS.  
*Car'bine*, horseman's musket, XII. 100, 2 b.  
*Carbohy'drates*, aliments of plants, XIII. 581, 1 c.  
*Car'bolates*, compounds of carbolic acid, III. 768, 2 bc.  
 CARBOL'IC ACID, III. 768. Synonymes of, 1 ab. Carbolic acid paper, 2 c. How distinguished from creosote, 769, 1 b. Method of obtaining it pure, 1 c; crystallized, 2 bc. As an antiseptic, I. 571, 2 bc; XII. 61, 1 bc. Production of in the body, I. 524, 1 bc. Amount permissible in respired air, XVI. 452, 2 b.  
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valuable qualities, *ib.* Gas carbon, 1 a, 2 b. Carbon as a conductor in galvanism, VII. 591, 1 c.  
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*Carbon, bisulphide of*: see CARBON DISULPHIDE, and XV. 454, 2 c.  
 CARBONARI [kar-bo-ná'-re], secret political society, III. 771. In Italy, 1 b. In France, 2 ab.  
 CARBONATES, III. 772; IX. 411, 1 bc. Carbonate of lime, III. 772, 1 c; X. 479, 1 c.  
 CARBONDALE, city of Pennsylvania, III. 772.  
*Carbon dioxide*, synonyme, III. 775, 1 a.  
 CARBON DISULPHIDE, III. 772; XV. 454, 2 c. Synonymes, III. 772, 2 b. Various uses, 773, 1 b. Disagreeable effect in illuminating gas, 2 a. Carbon monosulphide and sesquisulphide, *ib.* Sulpho-carbonates, *ib.*  
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*Carbonic anhydride*, synonyme, III. 775, 1 a.  
 CARBONIC OXIDE, III. 775. Poisonous quality of, 1 c; II. 84, 1 c.  
*Carboniferous series*, in geology, VII. 697, 1 a; see table, 694.  
*Carbonized iron*, for gun barrels, VII. 356, 2 c.  
*Carbon monoxide*: see CARBONIC OXIDE.  
*Carbon oil acid*: see CARBOLIC ACID.  
*Carbon points*, VI. 511, 1 ab (ELECTRIC LIGHT).  
*Carbon prints*, in photography, XIII. 472, 2 c.  
*Carbon process*, in photography, XIII. 471, 2 bc.  
*Carboy*, large bottle for acids, III. 145, 1 c.  
 CAR'BUNCLE, swelling and ulceration, III. 775. Malignant carbuncle, XII. 60, 1 ab; XIV. 98, 1 ab.  
 CARBUNCLE, precious stone, III. 775; XIV. 626, 2 bc.  
*Carbun'cular fever*, XII. 60, 1 bc.  
*Carbunculus*: see CARBUNCLE, precious stone.  
*Carburet of sulphur*, synonyme, III. 772, 2 b.  
 CARBURETS, III. 775.  
 CARBURETTED HYDROGEN, III. 775. Light carburetted hydrogen, 776, 1 a. Olefiant gas, 1 bc.  
 CARBU'RIS, Marino, count, Greek engineer, III. 776.  
 CARCAJENTE [kar-ka-'hain-tá], town of Spain, III. 776.  
*Car'cajou*, animal, VIII. 47, 1 a (GLUTTON).  
*Carca'so*, ancient town: see CARCASSONNE.



CARCASSONNE [kar-kas-sün], city of France, III. 776 (ill.).

*Carcel lamp*, X. 129, 2 a; VII. 488, 2 b.

*Carchari'adæ* (ichthyology), XIV. 827, 1 bc.

*Carcha'rias* (ichthyology), XIV. 827, 1 c. C. vulgaris, 2 a (ill.). C. glaucus, 2 c. C. obscurus, 828, 1 ab. C. cæruleus, 1 b. C. Atwoodi, *ib.*

*Car'cinoids*, crustaceans, VI. 663, 2 a.

*Carci'nus mæ'nas*, crustacean, V. 449, 2 c.

CAR'DAMOM, aromatic seeds, III. 777. Plants, *ib.*, ff. (ills.). Referred to, VIII. 145, 1 a.

CARDAN, Jerome, Italian scholar and physician, III. 777; I. 301, 2 c. Formula of Cardan, I. 302, 1 a. Asserts the possibility of instructing the deaf and dumb, V. 730, 2 a. Referred to, VI. 439, 1 bc.

CAR'DENAS, city of Cuba, III. 778. The "American city," 2 a.

*Card-end*, in cotton manufacture, V. 413, 2 c. *Carder bee*, II. 458, 1 ab.

CAR'DI, Ludovico, Florentine painter, III. 778.

*Cardia*, orifice in the stomach, I. 317, 2 c.

*Cardiac dropsy*, VI. 266, 1 c.

CARDIFF, town of Wales, III. 778; view, 779.

CARDIGAN, seaport of Wales, III. 779. Castle of Cardigan, 1 b.

CARDIGAN, James Thomas Brudenell, earl of, British general, III. 779. Leader of the "death charge" at Balaklava, 2 b, and II. 231, 2 c.

CARDIGANSHIRE, county of Wales, III. 779.

CARDINAL, ecclesiastical title, III. 780. Classes of cardinals, 1 b.

CARDINAL BIRD, III. 780 (ill.).

*Cardinal flower*, X. 558, 2 a.

*Cardinal grosbeak*: see CARDINAL BIRD.

*Cardinalis Virginianus* (ornithology), III. 780, 2 b (ill.).

CARDINAL VIRTUES, III. 781.

*Carding*, of cotton, V. 413, 2 b; of flax, VII. 265, 1 b; of wool, XVI. 718, 2 c.

*Carding machine*, invention and improvement of, III. 781, 2 ab. Its operation, V. 413, 2 b.

*Cardington house*, alluded to, II. 449, 2 c.

*Cardi'tis*, heart disease, VIII. 562, 2 a.

*Car'dium*, mollusk, IV. 788, 1 b. C. edule, 1 c (ill.). C. aculeatum, 2 a. C. Islandicum, *ib.*

CARDROSS, town of Scotland, III. 781. Castle hill, 1 bc.

CARDS, in cloth manufacture, III. 781. Invention of cylinder cards and the carding

machine, 2 ab. Whittemore's machine for making cards, 2 bc; its operation, *ib.*

CARDS, Manufacture of, III. 782.

CARDS, Playing, III. 782. Hindoo cards, 2 b (ill.). Chinese cards, 2 c (ill.). Old German cards, 783, 1 b (ill.). Origin of the marks on cards, 2 a. Modern pack, 2 bc.

CARDUCHI [kar-du'-ke], ancient warlike tribe, III. 783.

*Cardue'lis spi'nus* (ornithology), III. 692, 1 bc. C. communis, *ib.*

*Car'durus* (botany), XV. 712, 2 a.

CARDWELL, Edward, English clergyman, III. 784. Edward, statesman, 1 ab.

CARÊME, Marie Antoine [kä-raim], French cook, III. 784.

*Cares* [kär], his process of stereotyping, XIII. 850, 1 c.

CAREW, Thomas, English poet, III. 784.

*Ca'rex* (botany), XIV. 747, 1 c. C. umbellata (ill.), 2 a. C. striata, 748, 1 a. C. arenaria, *ib.* C. sylvatica, *ib.*

CA'REY, Henry, English poet and musician, III. 784. Reputed author of "God Save the King," 2 ab. George Saville, dramatic poet, 2 b.

CAREY, Henry Charles, American political economist, III. 784. Principles of political economy, 2 bc; XIII. 675, 1 c, ff.; XVI. 201, 2 c. On money, XI. 735, 2 c.

CAREY, Mathew, American publisher and author, III. 785. His "Olive Branch," 2 bc; "New Olive Branch," 2 c. Views on political economy, *ib.*; XIII. 675, 1 b.

CAREY, William, English missionary and oriental scholar, III. 786; XI. 641, 2 bc, 646, 2 b.

*Carfax*, locality in Oxford, XII. 762, 2 a.

*Carfou*, a form of curfew, V. 582, 1 c.

CARGILL, Donald [kar'-ghil], Scotch Covenanter and leader of the Cameronians, III. 786. Wounded at Bothwell Bridge, 1 c. Sanquhar declaration, 2 a.

CARHEIL, Étienne de [kar-aïl], Jesuit missionary in Canada, III. 786.

CA'RIA, ancient country of Asia Minor, III. 786.

*Cari'acus* (zoölogy), V. 758, 2 c. C. Virginianus, *ib.* (ill., 759). C. nemoralis, &c., 760, 1 a. C. Richardsonii, 1 bc (ill.). C. Mexicanus, *ib.*; III. 385, 1 bc. C. leucurus, V. 760, 2 a. C. macrotis, 2 b (ill.); III. 385, 1 bc.

CARIBBE'AN SEA, III. 787.

CA'RIBBEE ISLANDS: see ANTILLES, and WEST INDIES.

CARIBOU [kär-e-boo], American reindeer, III.

- 787 (ill.). Woodland caribou, 1 ab, c, 2 c. Barren ground caribou, 1 ab, 2 c.
- Caribous*, tribe in Alaska, IX. 787, 2 c.
- CA'RIBBS, Indian nation, III. 788; XVI. 566, 2 c.
- CA'RICA (botany), III. 788. *C. digitata* or *spinosa*, 2 a (ill.). *C. papaya*, *ib.*; XIII. 44, 2 c (ill., 45).
- CARIES [kā'-re-eez], inflammation of bone, III. 788. Distinguished from necrosis, 2 b. Causes of, and treatment, 2 bc.
- Carignan* [Fr. kā-re-nyā<sup>ne</sup>]: see CARIGNANO.
- CARIGNANO [kā-re-nyā'-no], town of Italy, III. 789.
- Carillon*, *Fort* [kā-rē-lyō<sup>ne</sup>]: see TICONDEROGA.
- Carillons*: see CHIMES, IV. 437, 1 ab.
- Carina'ria*, mollusk, XI. 722, 2 a; XII. 531, 1 a (ill., 530).
- CARINI [kā-rē'-ne], town of Sicily, III. 789.
- CARIN'THIA, duchy of Austria, III. 789.
- CARI'NUS, Marcus Aurelius, Roman emperor, III. 789.
- CARIPE [kā-rē'-pā], town of Venezuela, III. 789. Cavern inhabited by birds, 2 a.
- CA'RISBROOKE, village of England, III. 789. Carisbrooke castle, 2 b (ill.). Charles I. confined in it, 2 c.
- CARISSIMI, Giovanni Giacomo [kā-ris'-se-me], Italian composer, III. 790.
- Carizmians*, tribe of: see KHARESM, IX. 818, 2 b.
- Carl Benson*, nom de plume, III. 291, 2 ab.
- CARLEE', village of Hindostan, III. 790. Buddhist cave temple, 1 c (ill.).
- CARLÉN, Emilia Schmidt Flygare [kar-lain'], Swedish novelist, III. 790.
- CARLETON [karl'-tun], two counties, III. 790.
- CARLETON, Sir Guy, Lord Dorchester, British general, III. 791.
- CARLETON, William, Irish novelist, III. 791.
- CARLI, Dionigi [kar'-le], Italian missionary, III. 791.
- CARLI, Giovanni Rinaldo, count, Italian economist and antiquary, III. 791.
- Carlings*, food for Lent, X. 344, 2 a.
- CARLINO [kar-lē'-no], (Carlo Antonio Bertinazzi), Italian pantomimist, III. 791.
- Carlinville*, county seat, X. 805, 2 ab.
- Carli-Rubbi* [-roob'-be]: see CARLI, G. R.
- CARLISLE [kar-lile'], borough of Pennsylvania, III. 791. Carlisle sulphur springs, 2 c.
- Carlisle*, county seat, XII. 429, 1 bc.
- CARLISLE, city of England, III. 791. Castle, 792, 1 a (ill.).
- CARLISLE, Sir Anthony, English surgeon and physiologist, III. 792.
- CARLISLE, Frederick Howard, earl of, English statesman, III. 792. George William Frederick (Lord Morpeth), earl of, 2 a. Lord William Howard, earl of, clergyman, 2 bc.
- Carlists*, adherents of Don Carlos, insurrection of, IX. 423, 1 b; XV. 214, 2 bc; 216, 2 ab, ff.; VI. 740, 1 a.
- CARLOS, Don [kar'-loce], crown prince of Spain, III. 792. Pretenders to the crown of Spain: Carlos Maria Isidor, 793, 1 a; Carlos Luis Maria Fernando, count of Montemolin, 1 c; Carlos Juan Maria Isidor, 2 a; Carlos Maria Juan Isidor, the present pretender, *ib.* Don Alfonso, his brother and supporter, *ib.* See SPAIN, XV. 214, 2 ab, ff.
- Carlovingian architecture*, I. 662, 2 a.
- Carlovingian cycle*, of chivalric romances, IV. 292, 1 b.
- CARLOVINGIANS, imperial and royal family, III. 793; VII. 752, 2 b. Carlovingian emperors, III. 793, 1 b, c; kings of Germany, 1 c; of France, 794, 1 a; of Italy, 1 ab.
- CAR'LOVITZ, town of Austria, III. 794. Treaty of, 1 c; XV. 104, 2 c.
- CARLOW, county of Ireland, III. 794. Town, 2 ab.
- CARLS'BAD [Ger. karls'-bât], town of Bohemia, III. 794. Origin of the name, 2 bc. Springs, *ib.* Congress of the German powers, 2 c; its decrees against political unions among university students, 795, 1 a.
- CARLSBURG [karls'-boorg], town of Transylvania, III. 795.
- CARLSORONA [karls'-kroo-na], seaport of Sweden, III. 795.
- CARLSHAMN [karls'-hâm], seaport of Sweden, III. 795.
- CARLSON, Fredrik Ferdinand, Swedish historian, III. 795.
- CARLSRUHE [karls'-roo-êh], capital of Baden, III. 795. New theatre, 2 b (ill.).
- CARLSTAD [karl'-stât], town of Sweden, III. 796.
- CARLSTADT, town of Croatia: see KARLSTADT.
- CARLSTADT, Andreas, German reformer, III. 796; I. 17, 1 b. Carlstadtians, or Sacramentarians, III. 796, 2 b.
- Carl Sunday*, in Lent, X. 344, 2 a.
- CARLTON, county, III. 796.
- Carluđovi'ca palma'ta* (botany), XV. 413, 2 c.
- Carlyle*, county seat, IV. 685, 2 b.
- CARLYLE', Joseph Dacre, English oriental scholar, III. 796.

CARLYLE, Thomas, British author, III. 796.  
 "Sartor Resartus," analysis of, 797, 2 ab.  
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CARMAGNOLA [kar-ma-nyo'-la], town of Italy, III. 799.

CARMAGNOLA, Francesco, Italian condottiere, III. 799.

CARMAGNOLE [kar-mă-nyôl], French revolutionary song and dance, III. 799.

CARMARTHEN, town of Wales, III. 799.

CARMARTHENSHIRE, county of Wales, III. 799.

*Carmel*, county seat, XIV. 99, 1 c.

CARMEL, Mount, Palestine, III. 799.

*Carmelite nuns*, founder of the order, II. 586, 1 c.

CARMELITES, order of friars, III. 799. Female branch, 800, 1 b; in France, II. 586, 1 c. Discalced Carmelites, III. 800, 1 b. Carmelites in the United States, 1 c. Convents of Carmelite nuns, *ib.* Scapular of our Lady of Mount Carmel, *ib.*; XIV. 663, 2 ab. See MONACHISM, XI. 730, 1 bc.

*Car'men Secula're*, I. 586, 2 a.

*Carmi*, county seat, XVI. 602, 2 c.

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*Carmo*, ancient town: see CARMONA.

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*Carmentel*: see CARMONTELE.

CARMONTELE [kar-mô"-têl], French playwright and artist, IV. 5.

CARNAC, town of Brittany, IV. 6. Celtic or druidical monument, 2 a (ill.).

*Carnallite*, mineral, X. 852, 1 c; XIII. 757, 1 a; 759, 2 c.

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*Carnassiers* [kar-năs-se-â], Cuvier's zoölogical order of, IV. 12, 1 a.

*Carnata* [kar-nâ'-ta], former Hindoo kingdom, IV. 7, 1 c.

CARNAT'IC, province of British India, IV. 7; IX. 201, 2 a.

*Carnation pink*, XIII. 531, 2 b (ill.).

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*Carnesville*, county seat, VII. 433, 2 b.

*Carni*, Italic race, IX. 439, 1 a.

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*Carolina red bay*, tree, X. 209, 1 ab.

*Carolina sisters*, *the*: see MONSTER, XI. 765, 2 ab.

*Carolina tit*, bird, II. 676, 2 bc.

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*Caroline*, steamer, destruction of, X. 801, 2 b.

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*Carolopolis*, mediæval town: see CHARLEVILLE.

*Car'om*, in billiard playing, II. 642, 1 b, 2 a.

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- CARPACCIO, Vittore [kar-pât'-cho], Venetian painter, IV. 17.
- Carpadu'cus* (ornithology), VII. 193, 1 c. *C. purpureus*, *ib.* (ill.). *C. Californicus* and *C. Cassinii*, 2 b.
- CARPÆ'A, ancient dance, IV. 17.
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- Carp bream*, fish, III. 240, 2 a.
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- Carpel*, in botany, XIII. 587, 2 a.
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- CARPINO, town of S. Italy, IV. 22.
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- cana*, *ib.* *C. betulus*, 2 a (ill.). *C. orientalis*, 2 b.
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*Cob*, male swan, XV. 500, 2 a.

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COBBETT, William, English political writer, IV. 768. His attack upon Benjamin Rush, XIV. 472, 1 c.

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*Cobbler*, fish, XI. 613, 1 ab.

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*Cobham, Lord*, mentioned, V. 470, 1 c.

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*Coblentz ware*, XVI. 565, 2 c.

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*Cobs*, hazel-nuts, VIII. 554, 2 c.

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*Cocceians* [kok-sē'-yans]: see COCCEJUS.

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*Coccos'teus*, fossil fish, VII. 616, 1 a (ill.).

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*Codoy*, Juan, discoverer of silver mines in Chili, V. 317, 1 a.

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*Coffeerville*, county seat, XVI. 768, 2 a.

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*Garter*, in heraldry, VIII. 672, 1 bc.

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*Garum*, anchovy sauce, I. 467, 2 b.

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*Garvie*, fish, XV. 287, 1 b.

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*Gascoigne* [gas-koin'], astronomer: see GASCOYNE, William.

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*Gas-holder*, VII. 633, 1 ab (ills.).

*Gas veins*, X. 252, 2 bc; XI. 578, 1 b (ills.).

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*Gas lights*, introduction of in London, I. 61, 1 a.

*Gas'olene*, from petroleum, XIII. 371, 1 c.

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*Gaspésians*, tribe of Indians, VII. 642, 1 bc.

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*Gastric tubules*, XV. 396, 1 b (ill.).

*Gastritis*, inflammation of the stomach, XV. 396, 2 c.

*Gastrop'acha Americana* (entomology), referred to, XI. 869, 1 b.

*Gastru'la*: see SPONGE, XV. 282, 1 c.

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*Gatesville*, county seats, V. 389, 2 c; VII. 644, 2 c.

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*Gati* [gâ'-te], in Buddhism, III. 396, 2 ab; 397, 1 c.

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*Gaulanî'tis*, territory of Palestine, II. 359, 2 b.

*Gauley river*, West Virginia, VIII. 183, 1 bc.

*Gauls*, Celtic race, IV. 176, 2 c; VII. 647, 1 b. In Italy, 1 c; in France, 648, 1 c; in Asia Minor, 557, 2 b.

*Gaulthe'ria procumbens* (botany), XVI. 674, 1 b (ill.). G. shallon, 2 ab.

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*Gav'eston*, *Piers de*, favorite of Edward II., VI. 434, 2 ab.

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*Gavre*, prince of [gävr'], VI. 452, 2 b (EGMONT).

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*Gaylussacia* (botany), XVI. 612, 2 bc. G. resinosa, 613, 1 a (ill.). G. dumosa, 1 c. G. frondosa, *ib.* (ill.).

*Gayoso*, county seat, XIII. 243, 1 a.

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"*Gazette*," the, first newspaper in New York, I. 138, 1 c; III. 180, 2 ab.

*Gaz'olites* (mineralogy), XI. 590, 1 bc.

*Gazzetta* [gât-set'-ta], ancient Venetian newspaper, I. 137, 2 c; XII. 338, 1 a.

*Ge*, in Greek mythology, XV. 660, 2 b.

*Gean* [jeen], fruit of wild cherry, IV. 381, 1 a.

*Geary*, John W. [gâ'-re or ghê'-re], governor of

- Kansas, IX. 754, 2 c. (General in the civil war, and governor of Pennsylvania 1867-'73).  
*Geaster hygrometria* [je-as'-ter], fungus, VII. 533, 2 a (ill.).  
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*Gecinus viridis* (ornithology), XVI. 710, 2 ab.  
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*Gedemin*, prince of Lithuania, X. 530, 2 b.  
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*Gegen khutuktu* [gā'-ghen koo-took-too'], chief lama of Mongolia, X. 116, 2 c.  
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*Geig*, musical instrument, XVI. 366, 2 c.  
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*Gelechia cerealella* [je-lē'-ke-a], (entomology), XVI. 589, 1 c.  
*Gelid'ium* (botany), edible birds' nests said to be formed from, I. 299, 2 c.  
*Gel'imer*, Vandal king of Africa, IX. 727, 2 c.  
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*Gemara* [ghēh-mā-rā']: see HEBREWS, VIII. 595, 1 b; MISHNAH, XI. 635, 1 a; TALMUD, XV. 560, 2 a.  
*Gematria*, cabalistic art, III. 521, 2 c.  
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*Gemul*, species of deer, V. 758, 2 a.  
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*Genahoa*, African tribe, VIII. 312, 2 c.  
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*General admiral*, Russian title, I. 124, 2 a.  
*General assembly*, Presbyterian, XIII. 809, 1 bc.  
*General average*, in law: see AVERAGE.  
*General Baptists*, in England, II. 292, 2 c; in the United States, 293, 2 b.  
*General congress*, first proposal for a, VIII. 663, 2 c.  
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- GENEVA, canton of Switzerland, VII. 668. City, 669, 1 ab (view). Distinguished residents of, 670, 1 ab. History, 1 b.
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- Genista tinctoria* (botany), XVI. 711, 2 c (ill.).
- GENLIS, Félicité Stéphanie Ducrest de Saint-Aubin, countess de [zhä'-leece], French authoress, VII. 672.
- GENNESARET, Lake of [ghen-nes'-a-ret], VII. 673 (view).
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- GENOUDE, Antoine Eugène de [zhüh-nood], French journalist and author, VII. 677.
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- Genthite*, mineral, XII. 432, 1 b.
- GENTIAN, plant and medicine, VII. 679 (ills.).
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- Gentleman George*, sobriquet, II. 336, 2 c.
- GENTRY, county, VII. 680.
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- Gen'ua*, ancient city: see GENOA.
- GENUS, in science, VII. 680; XIII. 592, 2 c; XV. 233, 2 bc, 234, 1 a.
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\* In the initial syllable Gua Spaniards pronounce the G either very slightly or not at all; and in writing they often substitute H, which is always silent. In English pronunciation of familiar names, Gua is usually sounded *gaw*; as gaw-dalquiv'-er for Guadalquivir; gaw-te-maw'-la for Guatemala.

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HERBART, Johann Friedrich [hāir'-bart], German philosopher, VIII. 676; XI. 813, 2 ab; XIII. 431, 1 ab, 2 b, 442, 2 b.

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*Her'bemont*, Mr. [Fr. āirb-mō<sup>n</sup>], American grape grower, I. 418, 1 c. Herbemont grape, *ib*.

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*Hercules, pillars of*, VII. 800, 2 c; VIII. 679, 2 c.

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*Hercynian Forest*: see HERCYNIA SILVA. Referred to, II. 784, 1 b.

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*Herginn* [hâir'-ghin], raven, messenger of Odin, XII. 119, 2 c.

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*Hermadad* [âir-mân-thâth'], holy brotherhood, IV. 616, 2 b; VII. 136, 1 bc.

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- HERRERA, Fernando de [äir-rä'-ra], Spanish poet, VIII. 695; XV. 221, 1 a.
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- HERWEGH, Georg [häir-ve'h], German poet, VIII. 703. (Died 1875.)
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*Polygons*, in the bastioned system of fortification, VII. 330, 1 b.

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*Polype'mon*, legendary robber, XIV. 26, 2 c.

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*Polytechnic society, royal Cornwall*, VII. 77, 1 a.

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POLYZO'A, class of molluscoids, XIII. 690.

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*Pomare* [po-má'-rā], king and queen of Tahiti, XV. 145, 1 ab, ff.

*Pomatum, original*, I. 600, 2 b.

POMBAL, Dom Sebastião José de Carvalho e Mello, marquis of, Portuguese statesman, XIII. 691; IX. 630, 2 c.

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POMEGRANATE [pum-gran'-it], tree, XIII. 691 (ill., 692). Fruit, 692, 1 a (ill.). Uses, 2 a.

POMERANIA, province of Prussia, XIII. 692.

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*Pomfret, countess dowager of*, contributions to the Arundelian marbles, I. 798, 2 a, b, c.

*Pomme* [pum], in heraldry, VIII. 672, 2 c.

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*Pompeii of northern Italy*, town so called, XIII. 487, 2 a.

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*Pompe'ium*, building in Athens, II. 59, 2 a.

*Pompejanum* [pom-pā-yā'-noom], in Aschaffenburg, I. 804, 2 a.

*Pompelon*: see PAMPLONA.

*Pompes portatives* [pō<sup>m</sup>-p por-tā-teev]: see FIRE ENGINE, VII. 210, 2 a.

**POMPEY** (Cneius Pompeius Magnus), Roman general, XIII. 696. Superstition of, XII. 626, 2 c. War with Tigranes, XV. 751, 2 ab. Villa of, I. 245, 1 c.—Cneius, XIII. 698, 2 a. Sextus, 2 b.

*Pom'pholyx*, zinc white, XVI. 816, 2 ab; 818, 2 c.

*Pom'pilus formosus* (entomology), referred to, XV. 571, 1 a.

*Pompion*: see PUMPKIN.

**POMPONIU MELA**: see **MELA** (Index).

**POMPTINE MARSHES**: see **PONTINE MARSHES**.

*Ponca*, county seat, VI. 162, 1 c.

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**PONCE**, Pedro [pone'-thā], Spanish Benedictine, XIII. 699. See **DEAF AND DUMB**, V. 730, 2 b.

**PONCE DE LEON**, Juan [dā lā-oan'], discoverer, XIII. 699; II. 644, 2 ab; XVI. 150, 1 a.

**PONCE DE LEON**, Luis, poet, XIII. 699.

**PONCELET**, Jean Victor [pō'ne-s-lā], French geometer, XIII. 700.

**POND**, Enoch, American clergyman, XIII. 700.

**POND**, John, English astronomer, XIII. 700.

**PONDICHERY** [pon-de-shēr'-e], town of India, XIII. 700.

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**PONIATOWSKI** [po-nyā-tov'-ske], Polish family, XIII. 700. Stanislaw, 701, 1 a. Stanislaw August, king of Poland, *ib.*; 647, 1 c; IV. 111, 1 c, 2 c, 112, 2 a. Józef Antoni, prince, and marshal of France, XIII. 701, 1 ab. Joseph, prince, composer, 1 c. Poniatowski collection of antique gems, VII. 664, 1 ab.

**PONS**, Jean Louis [pō'ne], French astronomer, XIII. 701.

*Pons Ælius*, bridge at Rome, III. 270, 2 a. P. Cestius, *ib.* P. Fabricius, 1 c. P. Janiculi, 2 a. P. Milvius, *ib.* P. Palatinus or P. Senatorius, *ib.* (ill.). P. Triumphalis or P. Vaticanus, 1 c. See **ROME**, XIV. 413, 2 b.

**PONSARD**, Francis [pō'ne-sar], French dramatist, XIII. 701.

*Pons Drusi*, citadel: see **BOTZEN**, III. 146, 2 bc.

**PONSON DU TERRAIL**, Pierre Alexis de, viscount [pō'ne-sō'ne dū tāir-rāy'], French novelist, XIII. 701.

*Pons Varolii* (anatomy), XVI. 269, 2 b.

**PONTA DELGADA**, town of the Azores, XIII. 701.

**PONT-À-MOUSSON** [pō'ne-tā-moo-sō'ne], town of France, XIII. 702.

**PONTCHARTRAIN'**, lake of Louisiana, XIII. 702.

*Pont du Gard* [pō'ne dū gar], aqueduct, I. 613, 1 b (ill.).

**PONTE**, Da: see **BASSANO**, and **DA PONTE**.

**PONTE CORVO**, town of Italy, XIII. 702. Principality of, *ib.*; II. 571, 2 bc, 572, 1 b.

*Ponte di Quattro Capi*, bridge in Rome, XIV. 413, 2 bc. P. Rotto, *ib.* P. San Angelo, 2 b (ill., 415); III. 270, 2 a. P. Sisto, XIV. 413, 2 bc. P. di Santa Trinità, at Florence, VII. 274, 2 c. P. Vecchio, 275, 1 a.

**PONTEFRAC**, town of England, XIII. 702.

Pontefract lozenges, X. 519, 2 a.

*Ponthieu*, count de [pō'ne-te-üh], (Charles X.), IV. 289, 2 ab.

*Pontia* (entomology), III. 498, 1 b. P. oleracea, 1 c; XVI. 76, 1 c (ill.).

**PONTIAC**, county, XIII. 702.

**PONTIAC**, city of Michigan, XIII. 702.

*Pontiac*, county seat, X. 545, 1 c.

**PONTIAC**, Indian chief, XIII. 702.

*Pontic dog* (beaver), VII. 534, 1 c.

**PONTIFEX**, title of a priest, XIII. 703. Pontifex maximus, 1 bc.

**PONTIFICAL STATES**: see **PAPAL STATES**.

**PONTIGNY** [pō'ne-tē-nyē], village of France, XIII. 703. Abbey, 1 c; shrine, 2 a, ab.

*Pontil*, in glass making, VIII. 14, 2 c.

**PONTINE MARSHES**, Italy, XIII. 703; X. 202, 2 a.

**PONTMARTIN**, Armand Augustin Joseph Marie de [pō'ne-mar-tā'ne], French author, XIII. 704.

**PONTOISE** [pō'ne-twāz], town of France, XIII. 704.

*Ponton*, *Mungo*: see **LITHOGRAPHY**, X. 528, 2 b.

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*Puerto de Isabel*, island, VII. 149, 2 a.

*PUERTO LA MAR*: see *COBIA*.

*PUERTO PLATA*, Santo Domingo, XIV. 70.

*PUERTO PRINCIPE*, Santa Maria de [preen'-se-pä], city of Cuba, XIV. 70.

*Puerto Rico*: see *PORTO RICO*.

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*PUFENDORF*, Samuel [poo'-fen-dorf], German jurist and publicist, XIV. 70. On international law, X. 223, 1 a. See *MORAL PHILOSOPHY*, XI. 811, 2 b.

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*Puffinus* (ornithology), XIV. 833, 2 c. *P. major*, 834, 1 b (ill.). *P. Anglorum*, 1 c.

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*PUGET*, Pierre [pü-zhā], French artist, XIV. 72.

*PU'GET SOUND*, Washington territory, XIV. 72.

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*Saint Saba, duchy of*, VIII. 704, 1 c.

*Saint Sacrement, lake* [sǎ<sup>ne</sup> sǎ-krüh-mǎ<sup>ne</sup>], (Lake George), VII. 713, 1 ab.

*Saint Saviour's*, church, London, X. 598, 1 ab; for the deaf and dumb, 599, 1 a.

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*Saint Stephen*, Abyssinian convent of, I. 49, 1 ab.

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*Saint Stephens*, county seat, XVI. 474, 1 c.

*Saint Stephen's hall*, English parliament house, X. 609, 2 c; 610, 2 ab.

*Saint Sulpice* [sǎ<sup>ne</sup> sül-peece], priests of the society of: see SULPICIAN.

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*Saint Theodosius, catacombs of*, IX. 830, 1 b.

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*Saint Thomas's hospital*, London, X. 601, 2 a.

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*Sakiyeh* [sǎ-ké'-yěh], machine for raising water, IX. 415, 1 a.

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*Salaka*, Madagascan garment, X. 812, 1 c.

*Salal berry*, XVI. 674, 2 b (WINTERGREEN).

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SAL'AMIS, island of Greece, XIV. 558. Battle of, 2 c; VIII. 190, 1 c. City of Cyprus, XIV. 559, 1 a.

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*Salangane* [sǎ-lan-gá'-nā], swallow, II. 657, 1 c.

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*Sales book*, in bookkeeping, III. 81, 1 a.

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*Salgrami*, river, VIII. 324, 1 b (GUNDUK).

*Salian songs*, Latin, X. 192, 2 b.

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*Salias*, Countess, Russian author, IX. 766, 2 c.

*Salicææ* (botany), XIII. 711, 1 bc.

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*Salic land*, XIV. 564, 1 b.

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*Salim'eter*, IX. 124, 2 b (ill.).

*Sali'na* (Syracuse), XV. 544, 2 a. South, *ib.*

*Salina*, county seat, XIV. 565, 2 a.

*Salina formation*, in geology, VII. 696, 2 b.

*Salinas river* [sá-lé'-nas], California, III. 601, 1 b.

SALINE [sa-leen'], river of Arkansas, XIV. 565.

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*Saline water* [sa-line'], XIV. 584, 1 c (SALTS).

*Salisburia adiantifolia* [sal-is-bu'-re-a], (botany), VII. 814, 2 c; 815, 2 a (ill.).

SALISBURY [sawlz'-bë-r-e], city of England, XIV. 565.

*Salisbury*, county seat, XIV. 455, 1 a.

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*Salisbury crags*, Edinburgh, VI. 405, 1 c.

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SALLET, Friedrich von [sal-lá'], German poet, XIV. 566.

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SALLUST, Roman historian, XIV. 566; X. 195, 1 ab. Life of Catiline, IV. 121, 1 c. History of the Jugurthine war, IX. 709, 1 b.

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SALMASIUS, Claudius, French scholar, XIV. 567.

*Sal'mo* (ichthyology), XIV. 567, 1 c; XVI. 8, 1 bc. *S. salmo* (*S. salar*), XIV. 567, 2 c; *hamatus*, 569, 2 b; *huco*, 2 c; *Rossii*, 570, 1 a. *S. trutta*, XVI. 8, 1 c; *immaculatus*, 2 a; *fontinalis*, 2 ab (ill.); *umbla*, 2 c; *oquassa*, *ib.*; *amethystus*, 9, 1 ab; *Alpinus*, II. 550, 1 c.

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*Salmon Falls river*: see PISCATAQUA.

"*Salmonia*," book, V. 720, 2 ab.

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SALO, Gasparo da [sá'-lo], Italian violin maker, XIV. 570.

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SALONA, Roman capital of Dalmatia, XIV. 570; XV. 225, 2 a.

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Saluda, county seat, XI. 524, 2 c.

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SALVI, Giambattista: see SASSOFERRATO.

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SALVINI, Tommaso [sál-vé'-ne], Italian actor, XIV. 587.

Salyersville, county seat, XI. 22, 1 b.

**SALZACH** [zâłts'-â'h], or Salza, river: see **SALZBURG**, XIV. 588, 1 a.

**SALZBURG** [sawłts'-burg; Ger. zâłts'-boorg], duchy of Austria, XIV. 588. History, 1 b. Capital city, 1 c.

*Salzedel*, mark of [zâłts'-vâ-del], III. 209, 2 ab.

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**Samani** [sâ-mâ'-ne], Persian family of, XIII. 323, 1 c.

**SAMAR** [sâ'-mar]: see **PHILIPPINE ISLANDS**, XIII. 417, 2 a.

**SAMARA** [sâ-ma-râ'], government of Russia, XIV. 588. Capital city, 2 b.

**SAMARANG'**, province of Java, XIV. 588. Capital city, 2 c.

**SAMARCAND'**, city of Asia, XIV. 588.

**SAMA'RIA**, ancient city of Palestine, XIV. 589.

*Samaritan Pentateuch*, XIV. 590, 1 ab. Manuscript copy of (Samaritan Codex): see **NABLUS**. Hebrew text of the Pentateuch, 1 b.

**SAMARITANS**, XIV. 589; XV. 546, 2 bc; VIII. 589, 1 c.

*Samarobri'va*, ancient town, I. 425, 2 a.

*Sambaquis* [sâ"-bâ'-kees], Brazilian shell mounds, III. 222, 2 a.

*Sambenito* [sâm-bâ-nê'-to], habit of the inquisition penitents, IX. 294, 2 c; 295, 1 b.

*Samboo*, Asiatic deer, V. 757, 2 a, c.

*Sambre* [sâ"-br'], river, II. 488, 1 c; XII. 480, 2 b.

*Sambu'cus* (botany), VI. 495, 1 c. *S. Canadensis*, *ib.* (ill.); *laciniata*, 2 b (ill.); *pubens*, 2 c.

*Samcocolo*, town of Bondoo, III. 57, 2 bc.

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*Samian ware*, pottery, XIII. 780, 2 b.

*Samian wine*, VIII. 217, 1 ab.

*Samiel*: see **SIMOOM**.

*Samisen*, musical instrument, IX. 537, 1 bc.

*Samlingsbanke*, hill of, X. 39, 1 b (**KOLDING**).

*Sammicheli* [sâm-me-kâ'-le], (Michele, 1484-1549), engineering works of, XVI. 322, 2 ab; X. 320, 2 b (**San Micheli**). Architectural works, XVI. 323, 1 a.

*Sammied*, in tanning, X. 275, 1 c.

*Sammuramit*, Assyrian queen, XIV. 760, 1 a, b.

*Samnites*, Italic race, IX. 439, 2 bc.

*Samnite wars*: see **ROME** (Index).

**SAMNIUM**, division of ancient Italy, XIV. 590.

**SAMO'AN ISLANDS**, in the S. Pacific, XIV. 590.

*Samogitia*: see **KOVNO**, X. 54, 1 ab.

*Samogitian dialect*, referred to, X. 374, 1 b.

*Samos*: see **CEPHALONIA**.

**SAMOS**, island, XIV. 592. Prince of, 2 b.

*Samos'ata* (ancient capital of Commagene, Syria, on the Euphrates), Paul of: see **PAUL OF SAMOSATA**.

**SAMOTHRACE**, island, XIV. 592.

**SAMOYEDS'**, nomadic people of Russia, XIV. 592; XVI. 42, 1 b.

*Samp*: see **MAIZE**, XI. 43, 2 c.

*Sampfen wood*, III. 233, 1 a (**BRAZIL WOOD**).

**SAMPHIRE**, plant, XIV. 593 (ill.). Marsh samphire, 2 a (ill.).

**SAMPSON**, county, XIV. 593.

*Sam Slick*, nom de plume, VIII. 391, 2 c.

**SAMSON**, judge of Israel, XIV. 593.

**SAMSON**, George Whitfield, American clergyman, XIV. 594.

**SAMSON**, Joseph Isidore [sâ"-sō"], French actor, XIV. 594.

*Samsun* [sam-soon']: see **MYCALE**.

**SAMUEL**, Hebrew prophet, XIV. 594.

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*Samuel*, king of Bulgaria, II. 362, 1 a.

*Samurai* [sâ-moo-rî'], Japanese gentry, IX. 545, 1 b; 546, 2 a.

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*San Andreas*, county town, III. 567, 1 c.

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**SAN AUGUSTINE**, county, XIV. 595. Capital, 2 b.

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**SAN BERNARDINO** [ber-nar-dê'-no], county, XIV. 595. Capital town, 596, 1 a. Mount, *ib.*; III. 599, 2 b.

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*San'cho the Strong*, of Castile, I. 290, 1 a; X. 81, 1 ab, bc, c.

*Sanchoniathon*: see **SANCHUNIATHON**.

**SANCHUNIATHON** [san-koo-nî'-a-thon], reputed author, XIV. 596.

*Sanci diamond*, referred to, IV. 311, 1 a.

*San Clemente de la Nueva Sevilla*: see **SALTA**, XIV. 580, 2 c.

**SAN CRISTÓBAL**, capital of Chiapas, XIV. 596.

**SANCROFT**, William, English prelate, XIV. 596.

*Sancta sanctorum*, in the church of the Lateran, X. 183, 1 a.

*Sanct-Ingbert*: see **INGBERT**.

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*Sanctuary*, of the tabernacle, XV. 550, 2 c.

*Sand, facing*, in casting moulds, IV. 76, 1 b.

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**SAND**, Karl [zânt], German political fanatic, XIV. 596.

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**SANDAL WOOD**, XIV. 596 (ill.). Red sandal wood, 597, 1 c.  
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*Sandomir* (town of Poland, on the Vistula), synod of, referred to, XIV. 248, 2 c.  
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**SANDS**, Robert Charles, American author, XIV. 600.  
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*Sandwich*, county seat, VI. 735, 1 c.  
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*Sangler* [sang'-gle-er; Fr. sâ<sup>ne</sup>-gle-â], II. 764, 2 a (BOAR).  
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- Sanjakbeg*, Turkish officer, XIV. 662, 2 c.
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- SANTA ANNA, Antonio Lopez de, Mexican general, XIV. 616; I. 235, 2 c; IX. 16, 2 c; XI. 477, 1 c, 2 bc, c, 478, 1 bc, 479, 2 a; XV. 677, 2 b, bc, 678, 1 ab, c, 2 b. (Died 1876.)
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SCHLESWIG-HOLSTEIN [-hole'-stine], province of Prussia, XIV. 676. History, 2 bc; VI. 14, 1 ab; VII. 757, 2 a.

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SCHLEY [shlá], county, XIV. 677.

SCHLIEMANN, Heinrich [shlé'-mán], German traveller, XIV. 677.

*Schlossberg* [shluss'-báirg], at Laybach, castle on the, X. 239, 2 b. At Eisenstadt, palace of the, VI. 484, 1 b.

SCHLOSSER, Friedrich Christoph [shlus'-ser], German historian, XIV. 678.

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SCHMID, Leopold [shmit], German theologian, XIV. 678.

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SCHMIDT, Heinrich Julian, German author, XIV. 679.

*Schmidt* (Johann Friedrich Julian, born 1825), astronomer, XI. 800, 2 b (Moon).

SCHNAASE, Karl [shná'-zäh], author, XIV. 679.

*Schneekoppe* [shná'-kup-pěh], mountain, XIV. 327, 1 b.

*Schneidemühl* [shní'-dēh-mül], (town of Posen, Prussia), Confession of (German Catholic), VII. 736, 2 a. New Confession of, 2 b.

SCHNEIDER, Eugène [shná'-dair], French politician, XIV. 679. (Died 1875.)

SCHNEIDER, Hortense Catherine, French actress, XIV. 679.

SCHNEIDER, Johann Gottlob [shní'-der], German philologist, XIV. 679.

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SCHNETZ, Jean Victor [shnace], French painter, XIV. 679.

SCHNOER VON KAROLSFELD, Julius [shnur fön ká'-rölss-felt], German painter, XIV. 679. Ludwig Ferdinand, painter, 2 b.

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SCHOMBERG, Frederick Hermann, duke of [shom'-berg], English soldier, XIV. 680.

SCHOMBERG, Henri de, count [shō'-bair], French soldier, XIV. 681. Charles, 1 b. Maré-chale de, *ib.*

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- SCHÖNBEIN, Christian Friedrich [shön'-bine], German chemist, XIV. 681.
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- SEARS, Edmund Hamilton, clergyman, XIV. 740.
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- SEA SQUIET, marine animal, XIV. 742.
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- SEBASTIAN, county, XIV. 742.
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- SECCHI, Pietro Angelo [sek'-ke], Italian astronomer, XIV. 744. (Died 1878.)
- Seceders*, from the Scottish state church, VI. 139, 2 b.



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*Secro'le*, English settlement in Benares, II. 515, 2 a.

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*Seggar*, case for baking fine stone ware, XIII. 789, 2 c (ill., 790).

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*Self-fecundation*, of insects, XIII. 132, 2 c.  
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*Selinunte* [sā-le-noon'-tā], site of Selinus, XIV. 757, 2 a.  
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*Selli'næ*, XIV. 693, 1 a (SCILLY ISLANDS).  
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*Semiozernoi convent*, in Kazan, IX. 776, 2 c (ill.).  
**SEMPOLATINSK'**, province of Asiatic Russia, XIV. 759. Capital, 760, 1 a.  
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*Semiramis of Lucca*, sister of Napoleon, III. 25, 2 bc.  
*Semiramis of the North*, sovereigns so called, XI. 157, 2 ab; IV. 113, 1 b.  
*Semi-Salic law of succession*, in England, VI. 626, 1 a.  
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*Semtones*, in music, I. 70, 1 c.  
*Semi-uncial writing*, XI. 134, 1 a.  
**SEMLER**, Johann Salomo [zem'-ler], German theologian, XIV. 762.  
**SEMLIN** [zem'-leen'], town of Slavonia, XIV. 762.  
**SEMMERING**, Alpine mountain chain, XIV. 762. Railway, 763, 1 a.  
**SEMMES**, Raphael [semz], American naval officer, XIV. 763. (Died 1877.)  
*Semneh*, Egyptian fortress, VI. 749, 1 c.  
*Semnopithecus* (zoölogy), XI. 752, 2 b; 753, 2 a. S. entellus, 2 bc (ill.).  
**SEMPACH** [zem'-pâ'h], town of Switzerland, XIV. 763. Battle of, *ib.*: see WINKELRIED.  
**SEMPER**, Gottfried, German architect, XIV. 763. Hans, professor, 2 b. Karl, traveller, *ib.*  
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**SEMPLE**, Robert Baylor, American clergyman, XIV. 763.  
*Sena*, island of Gaul, VI. 271, 1 b (DRUIDS).  
**SENAC**, Jean Baptiste [sä-näk], French physician, XIV. 763. Gabriel Senac de Meilhan, author, 764, 1 a.  
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**SENATE**, deliberative assembly, XIV. 764.  
*Senatobia*, county seat, XV. 582, 2 ab.  
*Senatus academicus*, XVI. 211, 2 c; 213, 1 c.  
*Senatus consulta*, decrees of the Roman senate, XIV. 764, 2 b; IV. 619, 2 a.  
*Senatus Consultum de Bacchanalibus*, X. 193, 1 b.  
**SENECA**, two counties, XIV. 765.  
*Seneca*, county seat, XII. 223, 2 a.  
**SENECA**, Marcus Annæus, Roman rhetorician, XIV. 765. Lucius Annæus, philosopher, 2 b; X. 196, 2 b.  
**SENECA FALLS**, village of New York, XIV. 766.  
**SENECA LAKE**, New York, XIV. 766.  
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*Seneca snakeroot*, XV. 130, 1 a (ill.).  
**SENECAS**, Indian nation, XIV. 766; IX. 412, 1 bc.  
*Senecio scandens* (botany), VII. 742, 2 c (ill., 743). S. vulgaris, VIII. 270, 1 b; aureus and elegans, 1 bc.  
**SENEFELDER**, Aloys [zä'-nëh-fel-der], inventor of lithography, XIV. 767; X. 526, 1 ab, bc.  
**SENEGAL**, river of Africa, XIV. 767.  
**SENEGAL**, French territory, XIV. 767.  
**SENEGAMBIA**, region in Africa, XIV. 767.  
*Senegine* [sen'-e-jin], chemical principle, XV. 130, 1 c.  
*Sé'nes, the nine*, VI. 271, 1 b (DRUIDS).  
*Seneschallus*, of Oxford, XII. 762, 2 c.  
*Senex fulcifer*: see SCYTHE, XIV. 725, 1 c.  
**SENIOR**, Nassau William, English political economist, XIV. 768; XIII. 672, 2 ab.  
**SENLI** [sä\*-leece], town of France, XIV. 768.  
**SENNA**, plant and drug, XIV. 768 (ills.). American, 769, 2 a. Confection of, XV. 561, 2 c.  
**SENNAAR** [sen'-nar'], country of Africa, XIV. 769.  
**SENNACHERIB** [sen-nak'-e-rib]: see ASSYRIA, II. 35, 2 b.  
*Senones* [sen'-o-nee], ancient Gauls, VII. 648, 2 a; XIV. 770, 1 c.  
**SENS** [sä\*], town of France, XIV. 770.  
*Sensation, residual*, in harmony, VIII. 469, 1 c.  
*Sensibility, physiological*, XIII. 485, 2 a; XII. 233, 2 c.  
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*Sensorium*: see COMA, V. 131, 1 ab.  
*Senti'num, battle of*, XVI. 110, 1 b; VII. 647, 2 b.  
*Sepsals*, of a plant, XIII. 585, 1 ab.  
*"Separated Lutheran" churches*, X. 535, 2 c.  
*Separater*, of a loom, XVI. 523, 1 c.  
*Separatists*, those Puritans who withdrew from the church of England, referred to, V. 245, 2 a.

- Sepedonium chrysospermum* (botany), VII. 531, 2 b.
- Sephardim*, a division of the Jews, IX. 619, 1 ab.
- Sepher Yetzirah*, cabalistic treatise, III. 521, 1 b. *Sepher haz-Zohar*, treatise, *ib.*
- SEPIA, pigment, XIV. 770.
- Sepia officinalis* (zoölogy), V. 596, 2 a (ill.).
- SEPOYS, native troops of India, XIV. 770; IX. 209, 2 c. Sepoy revolt, XIV. 770, 2 c; II. 333, 2 c; III. 22, 1 a; VI. 618, 2 c; VIII. 522, 1 ab; IX. 211, 1 b; X. 233, 2 b, c, 707, 1 b; XI. 357, 2 a; XII. 129, 2 a, 741, 1 a.
- SEPS, genus of reptiles, XIV. 771. Four-toed seps, 1 ab. *S. tridactylus*, 1 b (ill.).
- SEPTEMBER, month, XIV. 771. "Great September gale" in 1821, XIV. 235, 1 b.
- September massacres*, in France, VII. 388, 1 a.
- Septem Fratres*, mountain range, IV. 218, 2 ab.
- Sep'tennate*, *the*, term of office, X. 800, 2 b.
- Septennial act*, of parliament, VII. 703, 2 ab.
- Septicæmia*, *puerperal*, XIV. 69, 1 b, c.
- Sep'timania*, *duchy of*: see *LANGUEDOC*, X. 152, 1 a. Province of, VII. 379, 2 ab.
- SEPTIMIUS SEVERUS: see *SEVERUS*.
- Septinsular republic*, IX. 330, 2 a.
- SEPTUAGINT: see *BIBLE*, II. 613, 1 b.
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*Tangent*, in mathematics, XV. 865, 2 c.  
*Tangent galvanometer*, VII. 594, 2 ab (ill.).  
*Tanggalung*, civet, II. 403, 1 c.  
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*Telluric acid*, XV. 633, 1 ab.

*Telluric food*, of plants, I. 195, 1 ab.

TELLURIUM, elementary substance, XV. 632; XI. 420, 2 bc. Discoverer of, X. 23, 1 a.

*Tellurium*, astronomical machine, XII. 711, 2 a.

*Tellurous acid*, XV. 633, 1 ab.

TELLUS: see TERRA.

*Telo Martius*: see TOULON, XV. 822, 1 ab.

*Teloph'orus* (entomology), II. 476, 2 b.

*Telugu* [tel-oo-goo'], Hindoo race, IX. 215, 1 c. Language, 219, 2 c; 220, 2 a. Alphabet, *ib.*

*Temacuilcahuilia* [tâ-ma-kweel-ka-wê'-le-a], serpent, II. 762, 2 c.

TEMES [tem'-esh], county of Hungary, XV. 633.

TEMESVÁR, city of Hungary, XV. 633.

TEMISCAMINGUE, Lake [tem-is'-ka-ming]: see OTTAWA, XII. 734, 2 a.

TÉMISCOUATA [tâ-mis-kwâ'-ta], county, XV. 633.

*Temminck* (Conrad Jacob, 1778-1858, Dutch naturalist), classification of birds by, XII. 705, 2 bc.

*Tem'nodon salta'tor* (ichthyology), II. 757, 2 c (ill., 758).

TEM'PE, valley of Greece, XV. 633.

*Temper*, alloy, XIII. 377, 1 a (PEWTER).

TEMPERAMENT, physical and mental, XV. 633.

*Temperament*, of the organ, unequal, XII. 689, 2 c; equal, 690, 1 ab.

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*Temperature*, *atmospheric*, II. 83, 1 bc. See METEOROLOGY, XI. 433, 1 b, ff. (ills., 436, 437); RAIN, XIV. 185, 1 c.

TEMPERED GLASS, XV. 634.

*Tempering*, of steel, XV. 364, 2 bc.

*Tempering*, in sugar making, XV. 446, 1 b.

TEMPLARS, military order, XV. 634.

TEMPLE, Frederick, English bishop, XV. 636.

TEMPLE, Richard Grenville, earl, statesman, XV. 636.

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*Temple, the*, in Paris, X. 663, 2 c.

*Temple, the*, in London, IX. 289, 2 c (ills., 290).

Temple garden, 290, 1 b.

*Temple Bar*, London, X. 594, 1 c. Temple church, 598, 1 b.

*Tenacity*, of materials, XV. 416, 1 a.

*Tenaille line* [têh-nail'], in fortification, VII. 335, 2 a.

*Tenailed system*, VII. 329, 2 c.

*Tenancy by curtesy*, in law, IX. 85, 2 a.

TENANT: see LEASE, and TENURE. Tenant at will, X. 270, 1 a. Tenant on sufferance, 1 b.

TENASSERIM, in British Burmah, XV. 636.

TENCH, fish, XV. 637 (ill.).

TENCIN, Claudine Alexandrine Guérin de [tâs-sâs'], French woman of society, XV. 637; I. 271, 2 a.

*Tenc'eri*, ancient German tribe, I. 271, 1 bc.

TENDER, in law, XV. 638.

*Tendo Achillis* (anatomy), XV. 78, 1 a. In club-foot, IV. 718, 2 bc; 719, 1 bc, 2 a.

TENDON (anatomy), XV. 639.

*Ten'ebrae*, office of, VIII. 776, 1 c (HOLY WEEK).

*Tenebrio* (entomology), II. 477, 2 a. T. moliator, XI. 313, 1 ab.

*Tenebroso* [tâ-nâ-bro'-ze], school in painting, XII. 799, 2 bc.

TENEDOS, island, Grecian archipelago, XV. 639.

*Tenement*, dominant and servient: see EASEMENT.

TENERANI, Pietro [tâ-nâ-râ'-ne], Italian sculptor, XV. 639.

*Tenerife* [tâ-nâ-rê'-fâ]: see TENERIFFE.

TENERIFFE [ten-e-rif'], island, Canaries, XV. 640. Peak, 1 b.

*Tenia*, plant, X. 398, 1 a.

TENIERS, David, the elder [ten'-yers], Flemish painter, XV. 640. David, the younger, 2 a.

"*Ten of liberty and peace*," Florentine magistrates, X. 786, 1 bc.

TENNANT, William, Scottish poet, XV. 640.

*Tennantite*, mineral (from Smithson Tennant, F.R.S., 1761-1813, professor of chemistry at Cambridge), XV. 50, 1 c.

TENNEMANN, Wilhelm Gottlieb, German historian of philosophy, XV. 640; XIII. 430, 1 b.

TENNENT, Sir James Emerson, British author, XV. 641.

TENNESSEE, state, XV. 641. State seal (ill.), *ib.* Population, 2 bc. Topography, 642, 1 c. Rivers, 2 bc. Geology, 2 c. Minerals, 643, 1 ab. Natural curiosities, 644, 1 c. Climate, 2 ab. Soil, 2 b. Flora, 2 bc. Fauna, 645, 1 a. Agriculture, 1 ab. Manufactures, 2 ab. Banks, 646, 2 a. Intercommunication, *ib.* Government, 1 b. Finances, 647, 1 bc. Public institutions, 2 a. Education, 2 c. Libraries, newspapers, &c., 649, 1 ab. Religious organizations, 1 b. History, 1 bc.

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TENNIS, game of ball, XV. 651.

*Tenno*: see MIKADO, XI. 530, 2 a, and JAPAN, IX. 538, 1 ab, 539, 1 c.

TENNYSON, Alfred, English poet, XV. 651. Frederick, 652, 1 b.

*Tenochtitlan* [tâ-noach-te-tlân'], original name of Mexico, II. 176, 1 ab, c; XI. 482, 2 c.

TENOR, in music, XV. 652.

*Tenorio*: see DON JUAN, VI. 211, 1 c.

*Ten'otome*, surgical instrument, IV. 719, 2 c.

*Tenot'omy*, surgical operation, IV. 719, 2 ab; XV. 639, 2 b; XVI. 741, 2 c.

*Ten'pins*, game, III. 168, 1 b, 2 a.

*Tenrec*, animal, VIII. 712, 1 c; XI. 292, 1 a.

TENSAS, parish of Louisiana, XV. 652. River (about 250 m. long), XVI. 492, 1 c, 2 a.

*Tensile resistance*, of materials, XV. 416, 1 a.

*Tension*, in sewing machines, XIV. 802, 1 bc. Automatic, 803, 1 a.

*Tenson* [tâs-sô's'], poetic combat, XII. 88, 2 b; XIV. 40, 1 c.

TENT, XV. 652 (ills.). Hospital tents, 654, 1 a (ill.).

*Tenterden*, Lord: see ABBOTT, Charles.

*Ten thousand*, retreat of the: see XENOPHON.

*Tenthredin'idæ* (entomology), IV. 106, 2 b; XIV. 653, 2 a.

*Tenthre'do cera'si* (entomology), XV. 109, 1 b.

*Tentorium*, Roman tent, XV. 652, 2 b (ill.).

*Tentorium cerebelli* (anatomy), III. 188, 1 b; 190, 1 a.

*Tenuch* [tâ-nooch'], Aztec sovereign, II. 176, 1 c.

TENURE, of property, XV. 654.

TEOCAL'LI [Sp. tâ-o-kâ'-lyē]: see MEXICO, XI. 474, 2 b, and CHOLULA (ill.).

TROS, ancient Ionian city, XV. 656.

*Teotihuacan* [tâ-o-te-wâ-kân'], pyramids of, I. 397, 2 b.

*Tepanecs*, ancient Mexican race, XI. 472, 1 c.



- Tepeleli* [tā-pā-lā'-ne], town of Albania (pop. about 3,000), I. 310, 2 ab, b.
- Tephillin*, XIII. 477, 2 b (PHYLACTERY).
- Tephritis* (entomology), VI. 130, 1 c.
- Tepidarium*, in ancient baths, II. 383, 1 b (ill.).
- TEPLITZ, watering place of Bohemia, XV. 656.
- Teploff* (Grigori, died 1779), Russian senator, referred to, IV. 111, 2 b.
- TEQUENDAMA, Falls of [tā-kain-dā'-ma]: see BOGOTÁ, II. 782, 2 c.
- TERAMO [tā'-ra-mo], province of Italy, XV. 656. Capital, 1 b.
- TERATOLOGY, branch of physiology, XV. 656; XI. 764, 2 b.
- Terbia*, an earth, XV. 656, 2 c.
- TERBIUM, supposed metal, XV. 656.
- TERBUG, Gerard [tāir'-burg], Dutch painter, XV. 657.
- TERCEIRA [tāir-sā'-e-ra], island, Azores, XV. 657.
- Terebenthene*, XVI. 78, 1 a.
- Terebinthus*: see MANICHEANS, XI. 107, 1 a.
- Terebrat'ula* (brachiopoda), III. 177, 2 c. *T. septentrionalis* (ill.), *ib.*
- TERE'DO: see SHIP WORM, XIV. 870, 2 c; V. 202, 1 c; XI. 722, 1 a. *T. navalis*, XIV. 871, 1 a (ill.).
- TERENCE, Roman comic poet, XV. 657.
- Terpentilene*, XVI. 78, 1 ab.
- Teresa*, *Saint*: see THERESA.
- Teresia*, *Mme.* [tā-rā'-ze-a], dwarf, VI. 335, 2 c.
- Terfezia* (botany), XVI. 14, 1 a.
- Terges'te*, ancient city, XV. 863, 2 c; 864, 1 c.
- Tergesteum*, edifice in Trieste, XV. 864, 1 a.
- TERHUNE', Mary Virginia, American novelist, XV. 657.
- Ter'mes* (entomology), XV. 657, 2 c. *T. bellicosus* (or *fatalis*), 658, 2 a (ill.); *frontalis*, 659, 1 a.
- TERMINI-IMERESE [tāir'-me-ne-e-mā-rā'-zā], town of Sicily, XV. 657.
- Terminus*, Roman deity, XII. 118, 2 b, bc; 534, 2 b; III. 756, 1 a.
- TER'MITES [Lat. *ter'-me-teez*, plural of *termes*], white ants, XV. 657; I. 169, 1 b.
- Termo*, *C. K.* [tāir'-mo], nom de plume, III. 309, 2 a.
- Termonde* [tāir-mon'-dēh]: see DENDERMONDE.
- TERN, bird, XV. 659. Caspian tern, 1 bc; Cayenne or royal, 1 c (ill.); sooty, 2 ab; Wilson's, 2 bc; arctic, 2 c; black, 660, 1 a. Referred to, VIII. 319, 2 c.
- Ternary compounds, or salts*, XII. 475, 1 a. Constitution of, VII. 597, 2 bc. Ternary hypothesis, XIV. 583, 1 bc.
- Ternary scale of numbers*, I. 708, 1 c.
- TERNATE [tāir-nā'-tā]: see MOLUCCAS.
- TERNAUX, Guillaume Louis, baron [tāir-nō], French manufacturer, XV. 660. Henri Ternaux-Campans, 1 b. Mortimer, *ib.*
- TERNI [tāir'-ne], town of Italy, XV. 660.
- TERPAN'DER, Greek musician, XV. 660.
- Terpenes*, XVI. 77, 2 bc (TURPENTINE, Oil of).
- TERPSICHOIRE [terp-sik'-o-re], muse, XV. 660.
- TERRA, Roman deity, XV. 660.
- TERRACINA [tāir-ra-chē'-na], town of Italy, XV. 660.
- TERRA COTTA, earthenware, XV. 660; XIV. 715, 2 b. Corinthian vases of, V. 354, 2 a.
- TERRA DEL FUEGO: see TIERRA DEL FUEGO.
- TERRA DI BARI: see BARI.
- TERRA DI LAVORO: see CASERTA.
- TERRA D'OTRANTO: see LECCE.
- Terrai* [tāir-rī'], pestilential tract in India, VIII. 731, 2 a.
- Terra Japonica*, a vegetable extract, VII. 607, 1 bc; IV. 105, 2 c.
- Terra'*, land breeze in Cuba, VIII. 519, 2 c.
- Terra Lemnia*, medicinal earth, X. 336, 1 a.
- Terra ponderosa*, II. 313, 1 a (BARIUM).
- TERRAPIN, land tortoise, XV. 661. Yellow-bellied, 1 c; red-bellied, 2 a (ill.); Florida, 2 ab; chicken, 2 c; salt-water, 662, 1 a.
- TERRE BONNE [Fr. *tāir būn*; usually, tar bone], parish of Louisiana, XV. 662.
- TERREBONNE, county of Canada, XV. 662.
- TERRE HAUTE [tēr'-re hut; Fr. *tāir ote*], city of Indiana, XV. 662.
- TERRELL, county, XV. 662.
- Terreplein* [tāir-plain'; Fr. -plā<sup>ns</sup>], in fortification, VII. 329, 2 ab. (See plan.)
- TERRESTRIAL MAGNETISM: see MAGNETISM, Terrestrial.
- Terre verte* [tāir vāirt], XII. 805, 2 b (PAINTS). "*Terrible Tractoration*," poem, VII. 157, 1 bc.
- TERRIER, dog, XV. 662 (ill.).
- Territion*, in torture, XV. 814, 2 a.
- Territories, western*, early settlement of, VII. 535, 2 a. Surveys of, XV. 491, 1 c.
- Territory of the United States south of the Ohio*, XV. 649, 2 ab.
- Tertian type*, of fever, VII. 164, 2 c. Double tertian, 165, 1 a.
- TERTIARIANS, in a monastic order, XV. 663; VI. 200, 2 c; VII. 427, 1 a; XI. 730, 1 c.
- Tertiaries*, in plumage, VII. 105, 2 c.
- Tertiary order*: see TERTIARIANS (Index).
- Tertiary period*, in geology, VII. 697, 2 ab. Fauna and flora of, 698, 1 a.

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*Tesa*: see THEZA.  
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*Tessa-Zion*, learned Abyssinian, VI. 752, 2 a.  
*Tessel'la*, XV. 753, 1 a, ab (TILE).  
*Tes'seræ*, in mosaic, XI. 856, 2 a; 857, 1 bc.  
 TESSIN [Fr. tā-sā''; Ger. tes-seen']: see TICINO.  
*Testa*, of plants, XIII. 591, 2 c.  
*Test act*, in England, IX. 518, 1 ab, c. Repeal of, VI. 139, 2 a.  
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*Testamur*, at Oxford, XII. 766, 1 b.  
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*Test oath cases*, in the supreme court, II. 92, 1 a.  
*Testry*, battle of, XIII. 278, 1 b.  
*Testudina'ria elephan'tipes* (botany), XV. 813, 2 a (ill.).  
 TESTUDINATA, order of reptiles, XV. 664 (ill.).  
*Testudini'na* (zoölogy), XV. 664, 2 b.  
*Testu'do*, a covering of shields, I. 740, 2 a.  
*Testudo elephantopus* (zoölogy), XV. 813, 1 b.  
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*Tetarata* [tā-ta-rā'-ta], boiling spring in New Zealand, VII. 784, 2 c.  
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*Tetradactylus Decresien'sis* (zoölogy), XIV. 771, 1 b.  
*Tetragram'maton, the*, X. 846, 2 a (MAGIC).  
*Tetragonol'epis*, fossil fish, VII. 615, 2 a (ill.).  
*Tetrahe'drite*, mineral, XV. 50, 1 c.  
*Tetralogy*, of the Greek drama, VIII. 213, 2 b.  
*Tet'rao* (ornithology), VIII. 270, 2 a. T. urogallus, 2 ab; hybridus, 2 bc; Canadensis, 2 c; phasianellus, 671, 1 c; cupido, 2 b (ill.); tetrrix, II. 676, 2 c (ill.).  
*Tetra'odon* (ichthyology), XIV. 738, 2 a, 739, 1 b; VI. 499, 2 bc. T. electricus, 2 c; turgidus, XIV. 739, 1 b (ill.).  
*Tetraon'idæ* (ornithology), VIII. 270, 1 c.  
*Tet'rapla*, of Origen, XII. 692, 2 c.  
*Tetrascopæ*, IX. 735, 2 b (KALEIDOSCOPE).  
*Tet'ricus*, Roman usurper, II. 119, 2 b.  
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TETZEL, Johann, German monk, XV. 667; X. 726, 2 c.  
 TEU'CER, king of Troy, XV. 668. Grecian hero, 1 ab.  
*Teufelsdrückh, Diogenes* [toi'-felce-drök], in Carlyle's "Sartor Resartus," III. 797, 2 ab.  
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 TEUFFEL, Wilhelm Sigismund [toi'-fel], German philologist, XV. 668.  
*Teut* [toit]: see TUSCO, and VII. 737, 1 bc.  
*Teuta*, Illyrian queen, IX. 194, 1 a.  
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 TEUTON'IC KNIGHTS, religious and military order, XV. 668; XIII. 644, 2 c. Founder of, VII. 451, 2 ab.  
*Teutonic languages*: see GERMANIC RACES AND LANGUAGES.  
*Teutonic society*, referred to, XIV. 596, 2 b.  
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*Teyde, peak of* [tā'-e-dā]: see TENERIFFE.  
*Tezcatlipoca* [tess-kā-tle-po'-ka], Mexican divinity, I. 397, 1 a (twice).  
 TEZCUCO [tess-koo'-ko], town of Mexico, XV. 680. Kingdom of, XI. 472, 2 a.  
*Tezel* [tā'-tsel]: see TETZEL.  
 THACH'ER, James, American physician, XV. 680.  
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 THACKERAY, William Makepeace, English author, XV. 680. Anne Isabella, authoress, 681, 1 b.

- Thackrah*, on coagulation of the blood, II. 734, 1 b, c.
- THAER, Albrecht [tāir], German agricultural writer, XV. 681.
- Thai*, the [t'hi or ti], Indo-Chinese race, IX. 253, 1 bc.
- THA'IS, Athenian courtesan, XV. 681.
- Thais* (entomology), III. 498, 1 b.
- Thakombau*, king of the Feejee Islands, VII. 113, 2 ab.
- Thakoors*, Rajpoots, IX. 214, 1 a.
- Thalassid'roma* (ornithology), XIII. 365, 2 a. T. pelagica, 2 b (ill.).
- Thalassochelys caouana* [tha-las-sok'-e-lis ká-wá'-na], (zoölogy), XVI. 80, 2 a.
- THALBERG, Sigismond [tál'-báirg], Swiss pianist, XV. 681; XII. 93, 2 c. Zaire, XV. 682, 1 a.
- THALER [tá'-ler], coin, XV. 682.
- THA'LES, Greek philosopher, XV. 682. His idea of the figure of the earth, VI. 354, 2 c.
- THALI'A, muse, XV. 682.
- THALLIUM, metal, XV. 682.
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- Thallogens*, in botany, X. 408, 1 c.
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- Thallus*, of a lichen, X. 408, 1 c.
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- THAMES, river of Canada, XV. 682. Battle of the Thames, 683, 1 a; IX. 663, 1 ab.
- THAMES [temz], river of England, XV. 683. Bridges, X. 592, 1 ab. River quays, or Thames embankments, 1 c. Tunnel, 616, 1 c. Subway, 617, 1 b.
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- Thanes*, Anglo-Saxon landholders, I. 499, 2 b.
- THAN'ET, Isle of, England, XV. 683.
- THANKSGIVING DAY, religious festival, XV. 683. National: during the revolution, 684, 1 ab; on the adoption of the constitution, 1 b; for peace (1815), *ib.*; during the civil war, 1 c; annual since that time, *ib.*
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- Thassilo II.* [tás'-se-lo]: see *Tassilo* (Index).
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- Thatched House tavern*, London, I. 340, 1 c.
- THATCHER, Benjamin Bussey, American author, XV. 684.
- Thaumale'a* (ornithology), XIII. 384, 2 b. T. picta, *ib.* (ill., 385).
- Thaumaturgist*, IX. 707, 1 a. Thaumaturgy, 1 ab. "*Thaumaturgus of Britain*," V. 595, 1 b.
- Thayendanega*: see BRANT, Joseph.
- THAYER, county, XV. 684.
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- Theans*, class of Hindoos, XI. 47, 2 ab.
- THEATINES [the'-a-tinz], religious order, XV. 684; IV. 421, 2 c.
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- Thebæ'ic version of the Scriptures*, V. 333, 1 c.
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- THEBES, in Egypt, XV. 687. Ruins of, 2 c; at Gurna, 688, 1 a; at Medinet-Abu, 1 b; at Luxor, 2 a (ill.); at Karnak, 689, 1 a (ill.).
- THEBES, in Greece, XV. 689. Expedition of the "seven against Thebes," I. 131, 1 a.
- Thebes*, county seat, I. 275, 2 c.
- Thecal abscess*, XVI. 609, 2 c. Treatment, *ib.*
- The Dalles* [dälz], county seat, XVI. 468, 2 c.
- THEFT: see LARCENY. "Theft or piracy" in marine insurance, IX. 318, 2 ab.
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- THEINER, Augustin [ti'-ner], German historian, XV. 689. Johann Anton, theologian, 690, 2 a.
- THEISS [tice], river of Hungary, XV. 690.
- Thekla* [tek'-la], pseudonyme, VI. 331, 1 a.
- THELWALL, John, English author, XV. 690.
- THEMIS, in Greek mythology, XV. 691.
- Themistius*, heretic, I. 188, 2 c.
- THEMISTOCLES [the-mis'-to-kleez], Athenian general, XV. 691.
- THÉNARD, Louis Jacques, baron [tā-nar], French chemist, XV. 691. His investigations and discoveries in chemistry, IV. 367, 1 ab, b.
- THEOBALD, Lewis, English author, XV. 692.
- Theobro'ma* (botany), III. 531, 2 c. T. cacao (ill.), 532.
- Theobromine* [the-o-bro'-min], IV. 789, 2 ab.
- Theocracy of Christendom*, Leibnitz's plan of, X. 323, 1 bc; 324, 1 a.
- THEOC'RITUS, Greek poet, XV. 692.
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- Theoda'tus*, Byzantine, IX. 726, 2 c.
- Theodatus*, king of the Ostrogoths, I. 374, 1 a; IX. 727, 2 c, 728, 2 a.
- THEOD'OLITE, surveying instrument, XV. 692 (ill.).
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**THEODORE**, King: see **ABYSSINIA**, I. 46, 2 b.  
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*Theodore Lascaris*, emperor of Nicæa, I. 292, 2 c. See **LASCARIS**, X. 179, 1 a, and **NICE**, XII. 427, 2 c.  
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**THEOD'ORIC**, the Great, king of the Ostrogoths, XV. 693. Referred to, I. 238, 2 a.  
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*Theodosia*, Roman station, VI. 309, 1 b.  
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*Torben Oze* [ox'-ëh], Danish courtier, suspected of poisoning, IV. 524, 2 c.  
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*Toreno*, José Maria Queypo de Llano Ruiz de Saravia, count of [to-râ'-no], Spanish statesman, XV. 799.  
*Toreutic art*, of the ancients, XIV. 716, 1 ab.  
*TORFÆUS*, Icelandic scholar, XV. 799; IX. 156, 1 a.  
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*TORLONTA*, Alessandro, prince, Italian capitalist, XV. 800.  
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*TORNA* [tor'-naw], county of Hungary, XV. 800.  
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*Torngak*, Esquimaux deity, VI. 729, 2 bc.  
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*TORONTO*, capital of Ontario, Canada, XV. 800. University of, 2 bc (ill., 801).  
*TORPEDO*, genus of fishes, XV. 802. Electrical apparatus, 1 b. Of the Mediterranean, 1 c. American, 2 a (ill.). Early knowledge of its electric power, VI. 500, 2 b.  
*TORPEDO*, submarine instrument of destruction, XV. 802. Experiments of Fulton, Colt, and others, 803, 1 a, ff. Use of in the late civil war, 2 b. Schools for investigating submarine warfare, 804, 1 a. System of coast defence, 1 b; Austrian, 1 c (ill.). Offensive torpedoes, 2 c; Wood and Lay's, Whitehead's, Harvey's, 805, 1 a-c (ills.). Submarine rockets, 2 a, and torpedo boats, 2 b; Ericsson's modification of, 806, 1 a.  
*TORQUATUS*, Titus Manlius Imperiosus, hero of Roman story, XV. 806.  
*TORQUAY* [tor-kë'], town of England, XV. 806. Kent's hole, cavern, 2 a.

*TORQUEMA'DA*, Juan de [Sp. tore-kā-má'-tha], Spanish theologian, XV. 806.  
*TORQUEMADA*, Tomas de, first Spanish inquisitor general, XV. 806; IX. 294, 2 b. His zeal restrained by the pope, XV. 807, 1 a.  
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*Torre de Belem* [dā bā-le<sup>ue</sup>], II. 484, 1 b (ill.).  
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*Torre del Greco*, coral fishery of, V. 342, 2 a.  
*Torre dell' orologio*, of Venice, XVI. 298, 1 c.  
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*TORREY*, John, American botanist and chemist, XV. 807.  
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*TORRICELLI*, Evangelista [tor-re-chel'-le], Italian mathematician, XV. 808. See *BAROMETER*, II. 325, 2 c.  
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*Torsion*, laws of the elasticity of, VI. 489, 2 b. In the commercial spring balance, 2 c. In the Cavendish experiment, *ib.* Theory of, *ib.*  
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**Tosaphoth**, in Jewish literature, VIII. 596, 1 a; XV. 560, 2 c.

**Tosca**, substance of obstructions in the Plata, XIII. 597, 1 ab.

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**Toscanelli**, *Paolo*, cosmographer, encouragement of Columbus by, V. 126, 1 ab.

**Toschi**, *Paolo* [tos'-ke], Italian engraver, XV. 815; VI. 649, 2 a.

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**Touamotou islands** [twá-mo-too']: see **LOW ARCHIPELAGO**.

**TOU'CAN**, bird, XV. 819. Toucans proper, 820, 1 b. Toco toucan, *ib.*; yellow-breasted, 1 bc; aracari, 2 a; yellow, *ib.* (ill.).

**TOUCH**, sense of feeling, XV. 820. Relative acuteness at different points, 2 bc. Effect of cold and heat, 821, 1 a; of other agencies, 1 b; of cultivation, 1 bc. In the lower animals, 1 c.

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**TOUL** [tool], town of France, XV. 821.

**TOULMIN**, Camilla [tool'-min]: see **CROSLAND**.

**TOULMIN**, Joshua, English clergyman, XV. 821.

**TOULON** [too-lõ<sup>ne</sup>], seaport of France, XV. 821 (view, 822).

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**TOULOUSE** [too-looz], city of France, XV. 822. Church of St. Sernin, 1 c (ill.). Synod or council of, I. 253, 1 c; IX. 293, 2 b.

**TOURAINÉ**, old province of France, XV. 823.

**Tour brune**, *la* [là toor brün], VI. 560, 1 b.

**TOURCOING** [toor-kwä<sup>ne</sup>], town of France, XV. 823.

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**TOURMALINE** [toor'-ma-lin], mineral, XV. 823. Form of, V. 538, 2 b. Polarization of light by plates of, X. 446, 2 a (ills.). Tourmaline pincetto, 449, 1 a (ill.).

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**TOURNAY**, town of Belgium, XV. 824.

**TOURNEFORT**, Joseph Pitton de [toor-nũh-for], French botanist, XV. 825.

**Touro**, *Judah*, Jewish philanthropist (1775-1854, merchant of New Orleans, born in Newport), XII. 327, 2 a; 330, 1 bc; IX. 617, 2 c.

**TOURS** [toor], city of France, XV. 825.

**TOURVILLE**, Anne Hilarion de Cotentin, count de [toor-veel], French admiral, XV. 825.

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**TOUSSAINT**, François Dominique, surnamed L'Ouverture [too-sä<sup>ne</sup> loo-väir-tür], Haytian general, XV. 825. Made president for life, 826, 1 c. Treacherously seized and conveyed to France, 2 bc. Imprisonment, barbarous treatment, and death, 2 c.

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*Tree'nail* [commonly, trun'-nel], in ship building, XIV. 863, 1 bc.

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*Tremblay, François Leclerc du* [dū trá'ng-blā]: see JOSEPH, Father.

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Trémouille, Catherine de la [trā-mooy'], princess de Condé, V. 213, 2 b.



**TREMPEALEAU** [trem-pa-lô'], (from Fr. *trempe* à l'eau, water-soaked), county, XV. 856.

**TRENCH**, Richard Chenevix, British clergyman, XV. 856. On miracles, XI. 625, 2 b.

*Trench cavaliers*, siege mounds, XV. 80, 1 b.

**TRENCK**, Franz von der, baron, Austrian soldier, XV. 856. Friedrich von der, baron, German adventurer, 857, 1 a.

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*Trente-un* [trâ<sup>st</sup>-tû<sup>st</sup>]: see ROUGE ET NOIR.

**TRENTON**, capital of New Jersey, XV. 859. State capitol, 2 a (ill.). Battle of, 860, 1 ab.

*Trenton*, county seats, V. 630, 1 bc; VII. 801, 2 b; VIII. 273, 2 c; IX. 676, 2 c.

**TRENTON FALLS**, village of New York, XV. 860. Falls, *ib*.

**TRENTSCHIN** [tren-cheen'], county of Hungary, XV. 860.

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*Trevelyan's experiment*, in heat, VIII. 572, 2 a. His apparatus, 2 ab.

**TREVES** (Fr. *Trèves*, traiv), town of Prussia, XV. 861. Porta nigra, 2 c (ill.). "Holy coat" of, 2 a. History, 2 c.

**TREVIRANUS**, Gottfried Reinhold [tră-ve-râ'-noos], German naturalist, XV. 862. Ludwig Christian, botanist, 1 b.

*Trevi'ri*, Celtic tribe, XV. 861, 2 c.

**TREVISO** [tră-vě'-zo], province of Italy, XV. 862. Capital, 1 c. Duke of: see MORTIER.

*Triad*, in music, XII. 80, 1 b. Triads of the Welsh bards, VI. 270, 1 c.

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*Tria juncta in uno*, motto, II. 389, 1 a.

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*Triangle*: see TRIGONOMETRY, XV. 865, 1 bc, 866, 2 a. Incremental idea of originated, II. 340, 2 ab.

*Triangulation*, in surveying, IV. 758, 2 ab. See SURVEYING, XV. 489, 2 c, ff.

*Trias* (geology), VII. 697, 1 c.

*Trias of German states*, project of, II. 599, 2 b.

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*Triassic series*, in geology, VII. 697, 1 bc.

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- WORCESTER, city of England, XVI. 726. Battle of, the "crowning mercy," 1 bc; V. 505, 2 bc.
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*Yoke, passing under the*, IV. 136, 2 bc.  
**YOKOHAMA** [yo-ko-há'-ma], city of Japan, XVI. 785.  
*Yolk*, of the egg, VI. 450, 2 c. Segmentation of in mammals discovered: see **BARRY**, Martin.  
*Yolk*, of wool, XVI. 712, 2 c.

**Yolo**, county, XVI. 786.  
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**YORK**, city of England, XVI. 788. York minister, 2 b (ill.); IV. 119, 1 c.  
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**YORKE**, Charles, English lawyer, XVI. 790.  
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**YORKTOWN**, village of Virginia, XVI. 791. First siege of, 1 a. Second, 1 c; IV. 410, 1 c, ff.  
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**YO'RUBA**, country of Africa, XVI. 791.  
**YOSEMITE** [yo-sá-mé'-tā], valley of California, XVI. 792 (view). (Map.) Yosemite fall, 793, 1 c (ill.).  
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**YOUNG**, county, XVI. 794.  
**YOUNG**, Alexander, American clergyman, XVI. 794.  
**YOUNG**, Arthur, English writer on agriculture, XVI. 794.  
**YOUNG**, Brigham, Mormon ruler, XVI. 795; XI. 834, 2 a, 836, 1 b, ff. (Died 1877.)  
**YOUNG**, Charles Augustus, American astronomer, XVI. 795. His observation of a solar explosion, XV. 473, 2 c (ills.); of solar spectrum, 475, 1 a, 2 bc.  
**YOUNG**, Edward, English poet, XVI. 796; VI. 640, 1 ab.

- YOUNG, Thomas, English physicist, XVI. 796.  
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- YOUNG Europe, political association: see MAZZINI, XI. 308, 1 b.
- YOUNG MEN'S CHRISTIAN ASSOCIATIONS, XVI. 796. Young women's Christian associations, 797, 2 bc.
- Young's modulus of elasticity, VI. 489, 1 a.
- YOUNGSTOWN, city of Ohio, XVI. 797.
- Young territory: see TEXAS, XV. 669, 2 c.
- Youth, period of, I. 181, 1 a.
- Yphan'tes Baltimo're (ornithology), II. 257, 1 c.
- YPRES [eep'r], city of Belgium, XVI. 798.
- YPSILANTI, city of Michigan, XVI. 798.
- YPSILANTI, or Ypsilantis, Greek family, XVI. 798. Athanasius, 1 c. Alexander, *ib.*; referred to, I. 283, 2 bc. Constantine, XVI. 798, 1 c. Alexander (2d), 2 a. Demetrius, 2 b. Prince Gregory Ypsilanti, 2 c.
- Yreka, county seat, XV. 69, 2 b.
- YRIARTE, Ignacio [e-re-ar'-tá], Spanish painter, XVI. 799.
- YRIARTE, Juan de, Spanish scholar, XVI. 799. Tomas de, author, 1 b.
- Ysano [e-sá'-no], plant, XII. 155, 2 a.
- Yssel [i'-sel], river, XII. 243, 1 a.
- Yttria (chemistry), XVI. 799, 2 a.
- YTTRIUM, metal, XVI. 799.
- YUBA [yoo'-ba], county, XVI. 799.
- Yuba City, county seat, XV. 495, 2 c.
- Yuca plant, use of in paper making, X. 475, 2 ab.
- YUCATAN [yoo-ka-tan'], peninsula of Mexico, XVI. 799. Ancient remains, 800, 1 ab. History, 1 c.
- YUCATAN, state of Mexico, XVI. 800.
- Yugas, era of the Jains, IX. 508, 1 bc.
- Yugyakarta: see JOKJOKERTA.
- YUKON RIVER: see ALASKA, I. 240, 2 b.
- Yulan, tree (magnolia), XI. 20, 2 c.
- YULE, Henry, English author, XVI. 800.
- Yule log, or Christmas block, IV. 551, 2 b.
- YUMA [yoo'-ma], county, XVI. 800.
- Yuma, county seat, XVI. 801, 1 a.
- Yumala, Yumara, Finnish deity, VII. 206, 1 bc.
- YUMAS, American Indians, XVI. 801.
- Yumula: see Yumala (Index).
- Yuncas [yoon'-kás], people of Peru, XIII. 341, 2 b; XIV. 150, 2 a.
- YUNNAN', province of China, XVI. 801. English expeditions to, 2 b.
- Yunx torquilla (ornithology), XVI. 741, 1 c (ill.).
- Yusuf [yoo'-soof], (Joseph), son of Abdul-Aziz, I. 16, 2 a.
- Yusuf I., king of Granada (1333-'54), referred to, I. 310, 1 a.
- Yusuf el-Ferî, emir, I. 14, 2 a.
- Yusuf ibn Tashfyn, founder of Mo'rocco, and of the Almoravide dynasty in Spain, I. 345, 2 bc.
- YVERDUN, or Yverdon [e-vâir-dű\*, -dō\*], town of Switzerland, XVI. 801.
- YVON, Adolphe [e-vō\*], French painter, XVI. 801.

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- Z, a letter, XVI. 802. Sounds of in different languages, 1 ab. As a numeral, *ib.*
- Zaandam [zân'-dam]: see SAARDAM.
- ZACAPA [sâ-ká'-pa], town of Guatemala, XVI. 802.
- ZACATECAS [sâ-ka-tâ'-káss], state of Mexico, XVI. 802. Capital city, 2 b.
- Zaccaria [dzâk-ka-ré'-a], a founder of the Bar-nabites, II. 318, 2 c.
- ZACH, Franz [tsâ'h], German astronomer, XVI. 802. Baron Anton, 2 c.
- Zachariah: see ZACHARIAH.
- "Zachary Boyd's Bible," III. 172, 1 ab.
- Zachos steno-phonotype reporter, XVI. 96, 2 b.
- ZACYNTHUS: see ZANTE.
- Zadhurmuz [zâd-hoor'-mooz], leader of a Manichæan sect, XI. 108, 1 c.
- ZAFFRE: see COBALT, IV. 767, 1 c.
- ZAGAZIG, town of Egypt, XVI. 802.
- ZAGOS'KIN, Mikhail, Russian author, XVI. 803.
- Zagreus Dionysus [zä'-gruce], in the Orphic cosmogony, XII. 711, 1 b.
- ZA'GROS, mountain range, XVI. 803; XIII. 315, 1 a.
- ZAHN, Johann Karl Wilhelm [tsân], German architect and painter, XVI. 803.
- ZAIRE: see CONGO, V. 241, 2 b.
- ZALA [zol'-aw], county of Hungary, XVI. 803.
- Zalaca, battle of [thâ-lâ'-ka], I. 345, 2 c.
- ZALEUCUS, Locrian lawgiver, XVI. 803.
- ZA'MA, town of Numidia, XVI. 803. Battle of, VIII. 444, 1 ab.
- ZAMACOIS, Eduardo [thâ-ma-ko'-eece or -koi's'], Spanish painter, XVI. 803.

